Cabling Certification - Versiv™

Test Limits for Version 6.2 Build 1

DSX CableAnalyzer™ Series | CertiFiber® Pro OLTS | OptiFiber® Pro OTR | FI-7000 FiberInspector™ Pro

Foreword

The values found within these tools are derived from published standards. Users should verify the test limits given here with those published standards. This document is provided as an aid to the interpretation of test results and is not intended to be a substitute for a published standard. On occasion, a draft standard may be made available within the instrument and the appropriate draft number given. Click here to ensure you have the latest version.

Errors, omissions and feedback can be reported to kbfeedback@flukenetworks.com.

DSX CableAnalyzer™ Series

Test Limits for Version 6.2 Build 1

Limit rules

Some limits are subject to specific rules on whether the measurement is considered for PASS/FAIL analysis. The limits in this document are colored coded to indicate when a specific rule is applied. For additional information, please review the standard in question.

Copper Limit Lines - Cat 8

TIA Cat 8 Perm. Link

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2 3,6 - 3,6 4,5 - 4,5 7,8 - 7,8	i			24	136	13	1	3.0	65.0	19.1	62.0	72.4	62.0	59.0	69.4					
							4	3.0	63.8	21.0	60.8	60.4	60.5	57.5	57.4					
							8	3.0	58.9	21.0	55.9	54.3	55.6	52.6	51.3					
							10	3.0	57.3	21.0	54.3	52.4	54.0	51.0	49.4					
							16	3.0	53.9	20.0	50.9	48.3	50.6	47.6	45.3					
i	Informational measurement only, no limit available						20	3.0	52.3	19.5	49.3	46.4	49.0	46.0	43.4					
	10% length rule - will fail when length > 26 m						25	3.0	50.7	19.0	47.7	44.4	47.3	44.3	41.4					
	Not evaluated against the test limit						31	3.0	49.1	18.5	46.1	42.5	45.7	42.7	39.5					
	If Insertion Loss < 3 dB, not evaluated against the test limit						63	4.1	44.0	18.0	39.9	36.5	40.6	36.5	33.5					
	for frequencies > 200 MHz Category 8 Permanent Link ACRF values that correspond to measured Permanent Link FEXT loss values of > 75 dB are for information only.						100	5.2	40.5	18.0	35.3	32.4	37.1	31.9	29.4					
							200	7.4	35.3	14.4	28.0	26.4	31.9	24.5	23.4					
							250	8.3	33.6	13.2	25.4	24.4	30.2	21.9	21.4					
							350	9.9	31.1	11.5	21.2	21.5	27.6	17.7	18.5					
							450	11.2	29.1	10.2	17.9	19.3	25.7	14.4	16.3					
							500	11.9	27.9	9.6	16.0	18.4	24.8	13.0	15.4					
							600	13.1	25.7	8.7	12.6	16.8	22.6	9.4	13.8					
							700	14.3	23.9	8.0	9.6	15.5	20.6	6.3	12.5					
							800	15.4	22.2	8.0	6.8	14.3	18.9	3.5	11.3					
							900	16.5	20.7	8.0	4.2	13.3	17.3	0.8	10.3					
							1000	17.5	19.3	8.0	1.8	12.4	15.9	-1.6	9.4					
							1600	23	13	8.0	-10.0	8.3	9.3	-13.7	5.3					
							2000	26.2	9.8	8.0	-16.3	6.4	6.0	-20.2	3.4					

TIA Cat 8 Perm. Link (+All)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2 3,6 - 3,6 4,5 - 4,5 7,8 - 7,8	5.6	0.1 or 3.0	0.2 or 7.0	24	136	13	1	3.0	65.0	19.1	62.0	72.4	62.0	59.0	69.4	30.0	30.0	i	i	
							4	3.0	63.8	21.0	60.8	60.4	60.5	57.5	57.4	30.0	22.6	i	i	
							8	3.0	58.9	21.0	55.9	54.3	55.6	52.6	51.3	30.0	16.5	i	i	
							10	3.0	57.3	21.0	54.3	52.4	54.0	51.0	49.4	30.0	14.6	i	i	
							16	3.0	53.9	20.0	50.9	48.3	50.6	47.6	45.3	29.5	10.5	i	i	
i	Informational measurement only, no limit available						20	3.0	52.3	19.5	49.3	46.4	49.0	46.0	43.4	27.9	8.6	i	i	
	10% length rule - will fail when length > 26 m						25	3.0	50.7	19.0	47.7	44.4	47.3	44.3	41.4	26.2	6.6	i	i	
	Not evaluated against the test limit						31	3.0	49.1	18.5	46.1	42.5	45.7	42.7	39.5	24.6	4.7	i	i	
	If Insertion Loss < 3 dB, not evaluated against the test limit						63	4.1	44.0	18.0	39.9	36.5	40.6	36.5	33.5	19.5	3.0	i	i	
	for frequencies > 200 MHz Category 8 Permanent Link ACRF values that correspond to measured Permanent Link FEXT loss values of > 75 dB are for information only.						100	5.2	40.5	18.0	35.3	32.4	37.1	31.9	29.4	16.0	3.0	i	i	
							200	7.4	35.3	14.4	28.0	26.4	31.9	24.5	23.4	10.9	3.0	i	i	
							250	8.3	33.6	13.2	25.4	24.4	30.2	21.9	21.4	9.2	3.0	i	i	
							350	9.9	31.1	11.5	21.2	21.5	27.6	17.7	18.5	6.8	3.0	i	i	
							450	11.2	29.1	10.2	17.9	19.3	25.7	14.4	16.3	4.9	3.0	i	i	
							500	11.9	27.9	9.6	16.0	18.4	24.8	13.0	15.4	4.1	3.0	i	i	
							600	13.1	25.7	8.7	12.6	16.8	22.6	9.4	13.8	3.0	3.0	i	i	
							700	14.3	23.9	8.0	9.6	15.5	20.6	6.3	12.5	3.0	3.0	i	i	
							800	15.4	22.2	8.0	6.8	14.3	18.9	3.5	11.3	3.0	3.0	i	i	
							900	16.5	20.7	8.0	4.2	13.3	17.3	0.8	10.3	3.0	3.0	i	i	
							1000	17.5	19.3	8.0	1.8	12.4	15.9	-1.6	9.4	3.0	3.0	i	i	
							1600	23	13	8.0	-10.0	8.3	9.3	-13.7	5.3	3.0	3.0	i	i	
							2000	26.2	9.8	8.0	-16.3	6.4	6.0	-20.2	3.4	3.0	3.0	i	i	

TIA Cat 8 Perm. Link (+PoE)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2 3,6 - 3,6 4,5 - 4,5 7,8 - 7,8	5.6	0.1 or 3.0	0.2 or 7.0	24	136	13	1	3.0	65.0	19.1	62.0	72.4	62.0	59.0	69.4					
							4	3.0	63.8	21.0	60.8	60.4	60.5	57.5	57.4					
							8	3.0	58.9	21.0	55.9	54.3	55.6	52.6	51.3					
							10	3.0	57.3	21.0	54.3	52.4	54.0	51.0	49.4					
							16	3.0	53.9	20.0	50.9	48.3	50.6	47.6	45.3					
i	Informational measurement only, no limit available						20	3.0	52.3	19.5	49.3	46.4	49.0	46.0	43.4					
	10% length rule - will fail when length > 26 m						25	3.0	50.7	19.0	47.7	44.4	47.3	44.3	41.4					
	Not evaluated against the test limit						31	3.0	49.1	18.5	46.1	42.5	45.7	42.7	39.5					
	If Insertion Loss < 3 dB, not evaluated against the test limit						63	4.1	44.0	18.0	39.9	36.5	40.6	36.5	33.5					
	for frequencies > 200 MHz Category 8 Permanent Link ACRF values that correspond to measured Permanent Link FEXT loss values of > 75 dB are for information only.						100	5.2	40.5	18.0	35.3	32.4	37.1	31.9	29.4					
							200	7.4	35.3	14.4	28.0	26.4	31.9	24.5	23.4					
							250	8.3	33.6	13.2	25.4	24.4	30.2	21.9	21.4					
							350	9.9	31.1	11.5	21.2	21.5	27.6	17.7	18.5					
							450	11.2	29.1	10.2	17.9	19.3	25.7	14.4	16.3					
							500	11.9	27.9	9.6	16.0	18.4	24.8	13.0	15.4					
							600	13.1	25.7	8.7	12.6	16.8	22.6	9.4	13.8					
							700	14.3	23.9	8.0	9.6	15.5	20.6	6.3	12.5					
							800	15.4	22.2	8.0	6.8	14.3	18.9	3.5	11.3					
							900	16.5	20.7	8.0	4.2	13.3	17.3	0.8	10.3					
							1000	17.5	19.3	8.0	1.8	12.4	15.9	-1.6	9.4					
							1600	23	13	8.0	-10.0	8.3	9.3	-13.7	5.3					
							2000	26.2	9.8	8.0	-16.3	6.4	6.0	-20.2	3.4					

TIA Cat 8 Channel

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2 3,6 - 3,6 4,5 - 4,5 7,8 - 7,8	i			30	179	17	1	3.0	65.0	19.0	62.0	65.0	62.0	59.0	62.0					
							4	3.0	63.8	19.0	60.8	59.9	60.5	57.5	56.9					
							8	3.0	58.9	19.0	55.9	53.9	55.6	52.6	50.9					
							10	3.0	57.3	19.0	54.3	52.0	54.0	51.0	49.0					
							16	3.0	53.9	18.0	50.9	47.9	50.6	47.6	44.9					
i	Informational measurement only, no limit available						20	3.0	52.3	17.5	49.3	45.9	49.0	46.0	42.9					
	10% length rule - will fail when length > 33 m						25	3.2	50.7	17.0	47.5	44.0	47.3	44.1	41.0					
	Not evaluated against the test limit						31	3.6	49.1	16.5	45.5	42.1	45.7	42.1	39.1					
	If Insertion Loss < 3 dB, not evaluated against the test limit						63	5.1	44.0	16.0	38.9	36.0	40.6	35.5	33.0					
	for frequencies > 200 MHz Category 8 Permanent Link ACRF values that correspond to measured Permanent Link FEXT loss values of > 70 dB are for information only.						100	6.5	40.5	16.0	34.0	32.0	37.1	30.6	29.0					
							200	9.3	35.3	14.3	26.0	25.9	31.9	22.6	22.9					
							250	10.4	33.6	13.4	23.2	24.0	30.2	19.7	21.0					
							350	12.4	31.1	12.1	18.7	21.1	27.6	15.2	18.1					
							450	14.2	29.1	11.1	14.9	18.9	25.7	11.5	15.9					
							500	15	27.9	10.7	12.9	18.0	24.8	9.9	15					
							600	16.5	25.7	10.0	9.2	16.4	22.7	6.2	13.4					
							700	18	23.9	9.4	5.9	15.1	20.9	2.9	12.1					
							800	19.4	22.2	8.9	2.8	13.9	19.3	-0.1	10.9					
							900	20.7	20.7	8.4	0.0	12.9	17.8	-2.9	9.9					
							1000	22	19.3	8.0	-2.6	12.0	16.5	-5.5	9					
							1600	28.7	13	8.0	-15.7	7.9	10.4	-18.4	4.9					
							2000	32.7	9.8	8.0	-22.9	5.9	7.3	-25.3	2.9					

TIA Cat 8 Channel (+All)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2 3,6 - 3,6 4,5 - 4,5 7,8 - 7,8	6.4	0.2 or 3.0	0.2 or 7.0	30	179	17	1	3.0	65.0	19.0	62.0	65.0	62.0	59.0	62.0	30.0	30.0	i	i	
							4	3.0	63.8	19.0	60.8	59.9	60.5	57.5	56.9	30.0	22.6	i	i	
							8	3.0	58.9	19.0	55.9	53.9	55.6	52.6	50.9	30.0	16.5	i	i	
							10	3.0	57.3	19.0	54.3	52.0	54.0	51.0	49.0	30.0	14.6	i	i	
							16	3.0	53.9	18.0	50.9	47.9	50.6	47.6	44.9	29.5	10.5	i	i	
							20	3.0	52.3	17.5	49.3	45.9	49.0	46.0	42.9	27.9	8.6	i	i	
							25	3.2	50.7	17.0	47.5	44.0	47.3	44.1	41.0	26.2	6.6	i	i	
							31	3.6	49.1	16.5	45.5	42.1	45.7	42.1	39.1	24.6	4.7	i	i	
							63	5.1	44.0	16.0	38.9	36.0	40.6	35.5	33.0	19.5	3.0	i	i	
							100	6.5	40.5	16.0	34.0	32.0	37.1	30.6	29.0	16.0	3.0	i	i	
							200	9.3	35.3	14.3	26.0	25.9	31.9	22.6	22.9	10.9	3.0	i	i	
							250	10.4	33.6	13.4	23.2	24.0	30.2	19.7	21.0	9.2	3.0	i	i	
							350	12.4	31.1	12.1	18.7	21.1	27.6	15.2	18.1	6.8	3.0	i	i	
							450	14.2	29.1	11.1	14.9	18.9	25.7	11.5	15.9	4.9	3.0	i	i	
							500	15	27.9	10.7	12.9	18.0	24.8	9.9	15	4.1	3.0	i	i	
							600	16.5	25.7	10.0	9.2	16.4	22.7	6.2	13.4	3.0	3.0	i	i	
							700	18	23.9	9.4	5.9	15.1	20.9	2.9	12.1	3.0	3.0	i	i	
							800	19.4	22.2	8.9	2.8	13.9	19.3	-0.1	10.9	3.0	3.0	i	i	
							900	20.7	20.7	8.4	0.0	12.9	17.8	-2.9	9.9	3.0	3.0	i	i	
							1000	22	19.3	8.0	-2.6	12.0	16.5	-5.5	9	3.0	3.0	i	i	
							1600	28.7	13	8.0	-15.7	7.9	10.4	-18.4	4.9	3.0	3.0	i	i	
							2000	32.7	9.8	8.0	-22.9	5.9	7.3	-25.3	2.9	3.0	3.0	i	i	

i	Informational measurement only, no limit available
	10% length rule - will fail when length > 33 m
	Not evaluated against the test limit
	If Insertion Loss < 3 dB, not evaluated against the test limit
	for frequencies > 200 MHz Category 8 Permanent Link ACRF values that correspond to measured Permanent Link FEXT loss values of > 70 dB are for information only.

TIA Cat 8 Channel (+PoE)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2 3,6 - 3,6 4,5 - 4,5 7,8 - 7,8	6.4	0.2 or 3.0	0.2 or 7.0	30	179	17	1	3.0	65.0	19.0	62.0	65.0	62.0	59.0	62.0					
							4	3.0	63.8	19.0	60.8	59.9	60.5	57.5	56.9					
							8	3.0	58.9	19.0	55.9	53.9	55.6	52.6	50.9					
							10	3.0	57.3	19.0	54.3	52.0	54.0	51.0	49.0					
							16	3.0	53.9	18.0	50.9	47.9	50.6	47.6	44.9					
							20	3.0	52.3	17.5	49.3	45.9	49.0	46.0	42.9					
							25	3.2	50.7	17.0	47.5	44.0	47.3	44.1	41.0					
							31	3.6	49.1	16.5	45.5	42.1	45.7	42.1	39.1					
							63	5.1	44.0	16.0	38.9	36.0	40.6	35.5	33.0					
							100	6.5	40.5	16.0	34.0	32.0	37.1	30.6	29.0					
							200	9.3	35.3	14.3	26.0	25.9	31.9	22.6	22.9					
							250	10.4	33.6	13.4	23.2	24.0	30.2	19.7	21.0					
							350	12.4	31.1	12.1	18.7	21.1	27.6	15.2	18.1					
							450	14.2	29.1	11.1	14.9	18.9	25.7	11.5	15.9					
							500	15	27.9	10.7	12.9	18.0	24.8	9.9	15					
							600	16.5	25.7	10.0	9.2	16.4	22.7	6.2	13.4					
							700	18	23.9	9.4	5.9	15.1	20.9	2.9	12.1					
							800	19.4	22.2	8.9	2.8	13.9	19.3	-0.1	10.9					
							900	20.7	20.7	8.4	0.0	12.9	17.8	-2.9	9.9					
							1000	22	19.3	8.0	-2.6	12.0	16.5	-5.5	9					
							1600	28.7	13	8.0	-15.7	7.9	10.4	-18.4	4.9					
							2000	32.7	9.8	8.0	-22.9	5.9	7.3	-25.3	2.9					

i	Informational measurement only, no limit available
	10% length rule - will fail when length > 33 m
	Not evaluated against the test limit
	If Insertion Loss < 3 dB, not evaluated against the test limit
	for frequencies > 200 MHz Category 8 Permanent Link ACRF values that correspond to measured Permanent Link FEXT loss values of > 70 dB are for information only.

Copper Limit Lines - Cat 6A

TIA Cat 6A Perm. Link

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
	0	Unbalance	Pair to Pair			Skew		Loss												
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			90	498	44	1	3.0	65.0	19.1	62.0	64.2	62.0	59.0	61.2					
3,6 - 3,6							4	3.5	64.1	21.0	60.5	52.1	61.8	58.3	49.1					
4,5 - 4,5							8	5.0	59.4	21.0	54.4	46.1	57.0	52.1	43.1					
7,8 - 7,8							10	5.5	57.8	21.0	52.3	44.2	55.5	50.0	41.2					
							16	7.0	54.6	20.0	47.6	40.1	52.2	45.2	37.1					
i	Informational measurement only, no limit available						20	7.8	53.1	19.5	45.2	38.2	50.7	42.8	35.2					
	10% length rule - will fail when length > 99 m						25	8.8	51.5	19.0	42.8	36.2	49.1	40.4	33.2					
	Not evaluated against the test limit						31	9.8	50.0	18.5	40.2	34.3	47.5	37.7	31.3					
	If Insertion Loss < 3 dB, not evaluated against the test limit						63	14.0	45.1	16.0	31.1	28.3	42.7	28.6	25.3					
	If FEXT is < 67 dB, not evaluated against the test limit						100	18.0	41.8	14.0	23.9	24.2	39.3	21.3	21.2					
							200	26.1	36.9	11.0	10.8	18.2	34.3	8.2	15.2					
							250	29.5	35.3	10.0	5.8	16.2	32.7	3.2	13.2					
							350	35.6	31.8	8.6	-3.8	13.3	29.1	-6.5	10.3					
							450	41.1	28.2	8.0	-13.0	11.1	25.3	-15.8	8.1					
							500	43.8	26.7	8.0	-17.1	10.2	23.8	-20.0	7.2					

TIA Cat 6A Perm. Link (+All)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair			Skew		Loss												
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21	0.2 or 3.0	0.2 or 7.0	90	498	44	1	3.0	65.0	19.1	62.0	64.2	62.0	59.0	61.2	40.0	30.0	i	i	
3,6 - 3,6							4	3.5	64.1	21.0	60.5	52.1	61.8	58.3	49.1	40.0	18.0	i	i	
4,5 - 4,5							8	5.0	59.4	21.0	54.4	46.1	57.0	52.1	43.1	36.5	11.9	i	i	
7,8 - 7,8							10	5.5	57.8	21.0	52.3	44.2	55.5	50.0	41.2	35.0	10.0	i	i	
							16	7.0	54.6	20.0	47.6	40.1	52.2	45.2	37.1	31.9	5.9	i	i	
i	Informational measurement only, no limit available						20	7.8	53.1	19.5	45.2	38.2	50.7	42.8	35.2	30.5	4.0	i	i	
	10% length rule - will fail when length > 99 m						25	8.8	51.5	19.0	42.8	36.2	49.1	40.4	33.2	29.0	2.0	i	i	
	Not evaluated against the test limit						31	9.8	50.0	18.5	40.2	34.3	47.5	37.7	31.3	27.6	i	i	i	
	If Insertion Loss < 3 dB, not evaluated against the test limit						63	14.0	45.1	16.0	31.1	28.3	42.7	28.6	25.3	23.1	i	i	i	
	If FEXT is < 67 dB, not evaluated against the test limit						100	18.0	41.8	14.0	23.9	24.2	39.3	21.3	21.2	20.0	i	i	i	
							200	26.1	36.9	11.0	10.8	18.2	34.3	8.2	15.2	15.5	i	i	i	
							250	29.5	35.3	10.0	5.8	16.2	32.7	3.2	13.2	14.0	i	i	i	
							350	35.6	31.8	8.6	-3.8	13.3	29.1	-6.5	10.3	11.8	i	i	i	
							450	41.1	28.2	8.0	-13.0	11.1	25.3	-15.8	8.1	10.2	i	i	i	
							500	43.8	26.7	8.0	-17.1	10.2	23.8	-20.0	7.2	9.5	i	i	i	

TIA Cat 6A Perm. Link (+PoE)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21	0.2 or 3.0	0.2 or 7.0	90	498	44	1	3.0	65.0	19.1	62.0	64.2	62.0	59.0	61.2					
3,6 - 3,6							4	3.5	64.1	21.0	60.5	52.1	61.8	58.3	49.1					
4,5 - 4,5							8	5.0	59.4	21.0	54.4	46.1	57.0	52.1	43.1					
7,8 - 7,8							10	5.5	57.8	21.0	52.3	44.2	55.5	50.0	41.2					
							16	7.0	54.6	20.0	47.6	40.1	52.2	45.2	37.1					
i	Informational measurement only, no limit available						20	7.8	53.1	19.5	45.2	38.2	50.7	42.8	35.2					
	10% length rule - will fail when length > 99 m						25	8.8	51.5	19.0	42.8	36.2	49.1	40.4	33.2					
	Not evaluated against the test limit						31	9.8	50.0	18.5	40.2	34.3	47.5	37.7	31.3					
	If Insertion Loss < 3 dB, not evaluated against the test limit						63	14.0	45.1	16.0	31.1	28.3	42.7	28.6	25.3					
	If FEXT is < 67 dB, not evaluated against the test limit						100	18.0	41.8	14.0	23.9	24.2	39.3	21.3	21.2					
							200	26.1	36.9	11.0	10.8	18.2	34.3	8.2	15.2					
							250	29.5	35.3	10.0	5.8	16.2	32.7	3.2	13.2					
							350	35.6	31.8	8.6	-3.8	13.3	29.1	-6.5	10.3					
							450	41.1	28.2	8.0	-13.0	11.1	25.3	-15.8	8.1					
							500	43.8	26.7	8.0	-17.1	10.2	23.8	-20.0	7.2					

TIA Cat 6A Channel

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			100	555	50	1	3.0	65.0	19.0	62.0	63.3	62.0	59.0	60.3					
3,6 - 3,6							4	4.2	63.0	19.0	58.9	51.2	60.5	56.4	48.2					
4,5 - 4,5							8	5.8	58.2	19.0	52.4	45.2	55.6	49.8	42.2					
7,8 - 7,8							10	6.5	56.6	19.0	50.1	43.3	54.0	47.5	40.3					
							16	8.2	53.2	18.0	45.0	39.2	50.6	42.4	36.2					
i	Informational measurement only, no limit available						20	9.2	51.6	17.5	42.5	37.2	49.0	39.8	34.2					
	10% length rule - will fail when length > 110 m						25	10.2	50.0	17.0	39.8	35.3	47.3	37.1	32.3					
	Not evaluated against the test limit						31	11.5	48.4	16.5	36.9	33.4	45.7	34.2	30.4					
	If Insertion Loss < 3 dB, not evaluated against the test limit						63	16.4	43.4	14.0	27.0	27.3	40.6	24.2	24.3					
	If FEXT is < 67 dB, not evaluated against the test limit						100	20.9	39.9	12.0	19.0	23.3	37.1	16.2	20.3					
							200	30.1	34.8	9.0	4.7	17.2	31.9	1.8	14.2					
							250	33.9	33.1	8.0	-0.8	15.3	30.2	-3.7	12.3					
							350	40.6	30.3	6.6	-10.3	12.4	27.3	-13.3	9.4					
							450	46.5	27.3	6.0	-19.2	10.2	24.4	-22.1	7.2					
							500	49.3	26.1	6.0	-23.2	9.3	23.2	-26.1	6.3					

TIA Cat 6A Channel (+All)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	
1,2 - 1,2	25	0.2 or 3.0	0.2 or 7.0	100	555	50	1	3.0	65.0	19.0	62.0	63.3	62.0	59.0	60.3	40.0	30.0	i	i	
3,6 - 3,6							4	4.2	63.0	19.0	58.9	51.2	60.5	56.4	48.2	40.0	18.0	i	i	
4,5 - 4,5							8	5.8	58.2	19.0	52.4	45.2	55.6	49.8	42.2	36.5	11.9	i	i	
7,8 - 7,8							10	6.5	56.6	19.0	50.1	43.3	54.0	47.5	40.3	35.0	10.0	i	i	
							16	8.2	53.2	18.0	45.0	39.2	50.6	42.4	36.2	31.9	5.9	i	i	
i	Informational measurement only, no limit available						20	9.2	51.6	17.5	42.5	37.2	49.0	39.8	34.2	30.5	4.0	i	i	
	10% length rule - will fail when length > 110 m						25	10.2	50.0	17.0	39.8	35.3	47.3	37.1	32.3	29.0	2.0	i	i	
	Not evaluated against the test limit						31	11.5	48.4	16.5	36.9	33.4	45.7	34.2	30.4	27.6	i	i	i	
	If Insertion Loss < 3 dB, not evaluated against the test limit						63	16.4	43.4	14.0	27.0	27.3	40.6	24.2	24.3	23.1	i	i	i	
	If FEXT is < 67 dB, not evaluated against the test limit						100	20.9	39.9	12.0	19.0	23.3	37.1	16.2	20.3	20.0	i	i	i	
							200	30.1	34.8	9.0	4.7	17.2	31.9	1.8	14.2	15.5	i	i	i	
							250	33.9	33.1	8.0	-0.8	15.3	30.2	-3.7	12.3	14.0	i	i	i	
							350	40.6	30.3	6.6	-10.3	12.4	27.3	-13.3	9.4	11.8	i	i	i	
							450	46.5	27.3	6.0	-19.2	10.2	24.4	-22.1	7.2	10.2	i	i	i	
							500	49.3	26.1	6.0	-23.2	9.3	23.2	-26.1	6.3	9.5	i	i	i	

TIA Cat 6A Channel (+PoE)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	0.2 or 3.0	0.2 or 7.0	100	555	50	1	3.0	65.0	19.0	62.0	63.3	62.0	59.0	60.3					
3,6 - 3,6							4	4.2	63.0	19.0	58.9	51.2	60.5	56.4	48.2					
4,5 - 4,5							8	5.8	58.2	19.0	52.4	45.2	55.6	49.8	42.2					
7,8 - 7,8							10	6.5	56.6	19.0	50.1	43.3	54.0	47.5	40.3					
							16	8.2	53.2	18.0	45.0	39.2	50.6	42.4	36.2					
i	Informational measurement only, no limit available						20	9.2	51.6	17.5	42.5	37.2	49.0	39.8	34.2					
	10% length rule - will fail when length > 110 m						25	10.2	50.0	17.0	39.8	35.3	47.3	37.1	32.3					
	Not evaluated against the test limit						31	11.5	48.4	16.5	36.9	33.4	45.7	34.2	30.4					
	If Insertion Loss < 3 dB, not evaluated against the test limit						63	16.4	43.4	14.0	27.0	27.3	40.6	24.2	24.3					
	If FEXT is < 67 dB, not evaluated against the test limit						100	20.9	39.9	12.0	19.0	23.3	37.1	16.2	20.3					
							200	30.1	34.8	9.0	4.7	17.2	31.9	1.8	14.2					
							250	33.9	33.1	8.0	-0.8	15.3	30.2	-3.7	12.3					
							350	40.6	30.3	6.6	-10.3	12.4	27.3	-13.3	9.4					
							450	46.5	27.3	6.0	-19.2	10.2	24.4	-22.1	7.2					
							500	49.3	26.1	6.0	-23.2	9.3	23.2	-26.1	6.3					

TIA Cat 6A MPTL

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			90	498	44	1	3.0	65.0	19.1	62.0	64.2	62.0	59.0	61.2					
3,6 - 3,6							4	3.5	64.1	21.0	60.5	52.1	61.8	58.3	49.1					
4,5 - 4,5							8	5.0	59.4	21.0	54.4	46.1	57.0	52.1	43.1					
7,8 - 7,8							10	5.5	57.8	21.0	52.3	44.2	55.5	50.0	41.2					
							16	7.0	54.6	20.0	47.6	40.1	52.2	45.2	37.1					
i	Informational measurement only, no limit available						20	7.8	53.1	19.5	45.2	38.2	50.7	42.8	35.2					
	10% length rule - will fail when length > 99 m						25	8.8	51.5	19.0	42.8	36.2	49.1	40.4	33.2					
	Not evaluated against the test limit						31	9.8	50.0	18.5	40.2	34.3	47.5	37.7	31.3					
	If Insertion Loss < 3 dB, not evaluated against the test limit						63	14.0	45.1	16.0	31.1	28.3	42.7	28.6	25.3					
	If FEXT is < 67 dB, not evaluated against the test limit						100	18.0	41.8	14.0	23.9	24.2	39.3	21.3	21.2					
							200	26.1	36.9	11.0	10.8	18.2	34.3	8.2	15.2					
							250	29.5	35.3	10.0	5.8	16.2	32.7	3.2	13.2					
							350	35.6	31.8	8.6	-3.8	13.3	29.1	-6.5	10.3					
							450	41.1	28.2	8.0	-13.0	11.1	25.3	-15.8	8.1					
							500	43.8	26.7	8.0	-17.1	10.2	23.8	-20.0	7.2					

TIA Cat 6A MPTL (+PoE)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i	i	i	90	498	44	1	3.0	65.0	19.1	62.0	64.2	62.0	59.0	61.2					
3,6 - 3,6							4	3.5	64.1	21.0	60.5	52.1	61.8	58.3	49.1					
4,5 - 4,5							8	5.0	59.4	21.0	54.4	46.1	57.0	52.1	43.1					
7,8 - 7,8							10	5.5	57.8	21.0	52.3	44.2	55.5	50.0	41.2					
							16	7.0	54.6	20.0	47.6	40.1	52.2	45.2	37.1					
i	Informational measurement only, no limit available						20	7.8	53.1	19.5	45.2	38.2	50.7	42.8	35.2					
	10% length rule - will fail when length > 99 m						25	8.8	51.5	19.0	42.8	36.2	49.1	40.4	33.2					
	Not evaluated against the test limit						31	9.8	50.0	18.5	40.2	34.3	47.5	37.7	31.3					
	If Insertion Loss < 3 dB, not evaluated against the test limit						63	14.0	45.1	16.0	31.1	28.3	42.7	28.6	25.3					
	If FEXT is < 67 dB, not evaluated against the test limit						100	18.0	41.8	14.0	23.9	24.2	39.3	21.3	21.2					
							200	26.1	36.9	11.0	10.8	18.2	34.3	8.2	15.2					
							250	29.5	35.3	10.0	5.8	16.2	32.7	3.2	13.2					
							350	35.6	31.8	8.6	-3.8	13.3	29.1	-6.5	10.3					
							450	41.1	28.2	8.0	-13.0	11.1	25.3	-15.8	8.1					
							500	43.8	26.7	8.0	-17.1	10.2	23.8	-20.0	7.2					

TIA 1005 Cat 6A Perm. Link

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			90	498	44	1	3.0	65.0	19.1	62.0	64.2	62.0	59.0	61.2					
3,6 - 3,6							4	3.5	64.1	21.0	60.5	52.1	61.8	58.3	49.1					
4,5 - 4,5							8	5.0	59.4	21.0	54.4	46.1	57.0	52.1	43.1					
7,8 - 7,8							10	5.5	57.8	21.0	52.3	44.2	55.5	50.0	41.2					
							16	7.0	54.6	20.0	47.6	40.1	52.2	45.2	37.1					
i	Informational measurement only, no limit available						20	7.8	53.1	19.5	45.2	38.2	50.7	42.8	35.2					
	10% length rule - will fail when length > 99 m						25	8.8	51.5	19.0	42.8	36.2	49.1	40.4	33.2					
	Not evaluated against the test limit						31	9.8	50.0	18.5	40.2	34.3	47.5	37.7	31.3					
	If Insertion Loss < 3 dB, not evaluated against the test limit						63	14.0	45.1	16.0	31.1	28.3	42.7	28.6	25.3					
	If FEXT is < 67 dB, not evaluated against the test limit						100	18.0	41.8	14.0	23.9	24.2	39.3	21.3	21.2					
							200	26.1	36.9	11.0	10.8	18.2	34.3	8.2	15.2					
							250	29.5	35.3	10.0	5.8	16.2	32.7	3.2	13.2					
							350	35.6	31.8	8.6	-3.8	13.3	29.1	-6.5	10.3					
							450	41.1	28.2	8.0	-13.0	11.1	25.3	-15.8	8.1					
							500	43.8	26.7	8.0	-17.1	10.2	23.8	-20.0	7.2					

TIA 1005 Cat 6A Channel

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			100	555	50	1	3.0	65.0	19.0	62.0	63.3	62.0	59.0	60.3					
3,6 - 3,6							4	4.2	63.0	19.0	58.9	51.2	60.5	56.4	48.2					
4,5 - 4,5							8	5.8	58.2	19.0	52.4	45.2	55.6	49.8	42.2					
7,8 - 7,8							10	6.5	56.6	19.0	50.1	43.3	54.0	47.5	40.3					
							16	8.2	53.2	18.0	45.0	39.2	50.6	42.4	36.2					
i	Informational measurement only, no limit available						20	9.2	51.6	17.5	42.5	37.2	49.0	39.8	34.2					
	10% length rule - will fail when length > 110 m						25	10.2	50.0	17.0	39.8	35.3	47.3	37.1	32.3					
	Not evaluated against the test limit						31	11.5	48.4	16.5	36.9	33.4	45.7	34.2	30.4					
	If Insertion Loss < 3 dB, not evaluated against the test limit						63	16.4	43.4	14.0	27.0	27.3	40.6	24.2	24.3					
	If FEXT is < 70 dB, not evaluated against the test limit						100	20.9	39.9	12.0	19.0	23.3	37.1	16.2	20.3					
							200	30.1	34.8	9.0	4.7	17.2	31.9	1.8	14.2					
							250	33.9	33.1	8.0	-0.8	15.3	30.2	-3.7	12.3					
							350	40.6	30.3	6.6	-10.3	12.4	27.3	-13.3	9.4					
							450	46.5	27.3	6.0	-19.2	10.2	24.4	-22.1	7.2					
							500	49.3	26.1	6.0	-23.2	9.3	23.2	-26.1	6.3					

TIA 1005 Cat 6A Channel E1 (+All)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	0.2 or 3.0	0.2 or 7.0	100	555	50	1	3.0	65.0	19.0	62.0	63.3	62.0	59.0	60.3	40.0	30.0	i	i	
3,6 - 3,6							4	4.2	63.0	19.0	58.9	51.2	60.5	56.4	48.2	40.0	18.0	i	i	
4,5 - 4,5							8	5.8	58.2	19.0	52.4	45.2	55.6	49.8	42.2	39.5	11.9	i	i	
7,8 - 7,8							10	6.5	56.6	19.0	50.1	43.3	54.0	47.5	40.3	38.0	10.0	i	i	
							16	8.2	53.2	18.0	45.0	39.2	50.6	42.4	36.2	34.9	5.9	i	i	
i	Informational measurement only, no limit available						20	9.2	51.6	17.5	42.5	37.2	49.0	39.8	34.2	33.5	4.0	i	i	
	10% length rule - will fail when length > 110 m						25	10.2	50.0	17.0	39.8	35.3	47.3	37.1	32.3	32.0	2.0	i	i	
	Not evaluated against the test limit						31	11.5	48.4	16.5	36.9	33.4	45.7	34.2	30.4	30.5	i	i	i	
	If Insertion Loss < 3 dB, not evaluated against the test limit						63	16.4	43.4	14.0	27.0	27.3	40.6	24.2	24.3	24.5	i	i	i	
	If FEXT is < 70 dB, not evaluated against the test limit						100	20.9	39.9	12.0	19.0	23.3	37.1	16.2	20.3	20.4	i	i	i	
							200	30.1	34.8	9.0	4.7	17.2	31.9	1.8	14.2	14.4	i	i	i	
							250	33.9	33.1	8.0	-0.8	15.3	30.2	-3.7	12.3	12.4	i	i	i	
							350	40.6	30.3	6.6	-10.3	12.4	27.3	-13.3	9.4	9.5	i	i	i	
							450	46.5	27.3	6.0	-19.2	10.2	24.4	-22.1	7.2	7.3	i	i	i	
							500	49.3	26.1	6.0	-23.2	9.3	23.2	-26.1	6.3	6.4	i	i	i	

TIA 1005 Cat 6A Channel E1 (+PoE)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	0.2 or 3.0	0.2 or 7.0	100	555	50	1	3.0	65.0	19.0	62.0	63.3	62.0	59.0	60.3					
3,6 - 3,6							4	4.2	63.0	19.0	58.9	51.2	60.5	56.4	48.2					
4,5 - 4,5							8	5.8	58.2	19.0	52.4	45.2	55.6	49.8	42.2					
7,8 - 7,8							10	6.5	56.6	19.0	50.1	43.3	54.0	47.5	40.3					
							16	8.2	53.2	18.0	45.0	39.2	50.6	42.4	36.2					
i	Informational measurement only, no limit available						20	9.2	51.6	17.5	42.5	37.2	49.0	39.8	34.2					
	10% length rule - will fail when length > 110 m						25	10.2	50.0	17.0	39.8	35.3	47.3	37.1	32.3					
	Not evaluated against the test limit						31	11.5	48.4	16.5	36.9	33.4	45.7	34.2	30.4					
	If Insertion Loss < 3 dB, not evaluated against the test limit						63	16.4	43.4	14.0	27.0	27.3	40.6	24.2	24.3					
	If FEXT is < 67 dB, not evaluated against the test limit						100	20.9	39.9	12.0	19.0	23.3	37.1	16.2	20.3					
							200	30.1	34.8	9.0	4.7	17.2	31.9	1.8	14.2					
							250	33.9	33.1	8.0	-0.8	15.3	30.2	-3.7	12.3					
							350	40.6	30.3	6.6	-10.3	12.4	27.3	-13.3	9.4					
							450	46.5	27.3	6.0	-19.2	10.2	24.4	-22.1	7.2					
							500	49.3	26.1	6.0	-23.2	9.3	23.2	-26.1	6.3					

TIA 1005 Cat 6A Channel E2 (+All)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	0.2 or 3.0	0.2 or 7.0	100	555	50	1	3.0	65.0	19.0	62.0	63.3	62.0	59.0	60.3	40.0	40.0	i	i	
3,6 - 3,6							4	4.2	63.0	19.0	58.9	51.2	60.5	56.4	48.2	40.0	28.0	i	i	
4,5 - 4,5							8	5.8	58.2	19.0	52.4	45.2	55.6	49.8	42.2	40.0	21.9	i	i	
7,8 - 7,8							10	6.5	56.6	19.0	50.1	43.3	54.0	47.5	40.3	40.0	20.0	i	i	
							16	8.2	53.2	18.0	45.0	39.2	50.6	42.4	36.2	40.0	15.9	i	i	
i	Informational measurement only, no limit available						20	9.2	51.6	17.5	42.5	37.2	49.0	39.8	34.2	40.0	14.0	i	i	
	10% length rule - will fail when length > 110 m						25	10.2	50.0	17.0	39.8	35.3	47.3	37.1	32.3	40.0	12.0	i	i	
	Not evaluated against the test limit						31	11.5	48.4	16.5	36.9	33.4	45.7	34.2	30.4	40.0	i	i	i	
	If Insertion Loss < 3 dB, not evaluated against the test limit						63	16.4	43.4	14.0	27.0	27.3	40.6	24.2	24.3	34.5	i	i	i	
	If FEXT is < 70 dB, not evaluated against the test limit						100	20.9	39.9	12.0	19.0	23.3	37.1	16.2	20.3	30.4	i	i	i	
							200	30.1	34.8	9.0	4.7	17.2	31.9	1.8	14.2	24.4	i	i	i	
							250	33.9	33.1	8.0	-0.8	15.3	30.2	-3.7	12.3	22.4	i	i	i	
							350	40.6	30.3	6.6	-10.3	12.4	27.3	-13.3	9.4	19.5	i	i	i	
							450	46.5	27.3	6.0	-19.2	10.2	24.4	-22.1	7.2	17.3	i	i	i	
							500	49.3	26.1	6.0	-23.2	9.3	23.2	-26.1	6.3	16.4	i	i	i	

TIA 1005 Cat 6A Channel E2 (+PoE)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	0.2 or 3.0	0.2 or 7.0	100	555	50	1	3.0	65.0	19.0	62.0	63.3	62.0	59.0	60.3					
3,6 - 3,6							4	4.2	63.0	19.0	58.9	51.2	60.5	56.4	48.2					
4,5 - 4,5							8	5.8	58.2	19.0	52.4	45.2	55.6	49.8	42.2					
7,8 - 7,8							10	6.5	56.6	19.0	50.1	43.3	54.0	47.5	40.3					
							16	8.2	53.2	18.0	45.0	39.2	50.6	42.4	36.2					
i	Informational measurement only, no limit available						20	9.2	51.6	17.5	42.5	37.2	49.0	39.8	34.2					
	10% length rule - will fail when length > 110 m						25	10.2	50.0	17.0	39.8	35.3	47.3	37.1	32.3					
	Not evaluated against the test limit						31	11.5	48.4	16.5	36.9	33.4	45.7	34.2	30.4					
	If Insertion Loss < 3 dB, not evaluated against the test limit						63	16.4	43.4	14.0	27.0	27.3	40.6	24.2	24.3					
	If FEXT is < 70 dB, not evaluated against the test limit						100	20.9	39.9	12.0	19.0	23.3	37.1	16.2	20.3					
							200	30.1	34.8	9.0	4.7	17.2	31.9	1.8	14.2					
							250	33.9	33.1	8.0	-0.8	15.3	30.2	-3.7	12.3					
							350	40.6	30.3	6.6	-10.3	12.4	27.3	-13.3	9.4					
							450	46.5	27.3	6.0	-19.2	10.2	24.4	-22.1	7.2					
							500	49.3	26.1	6.0	-23.2	9.3	23.2	-26.1	6.3					

TIA 1005 Cat 6A Channel E3 (+All)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	0.2 or 3.0	0.2 or 7.0	100	555	50	1	3.0	65.0	19.0	62.0	63.3	62.0	59.0	60.3	40.0	40.0	i	i	
3,6 - 3,6							4	4.2	63.0	19.0	58.9	51.2	60.5	56.4	48.2	40.0	38.0	i	i	
4,5 - 4,5							8	5.8	58.2	19.0	52.4	45.2	55.6	49.8	42.2	40.0	31.9	i	i	
7,8 - 7,8							10	6.5	56.6	19.0	50.1	43.3	54.0	47.5	40.3	40.0	30.0	i	i	
							16	8.2	53.2	18.0	45.0	39.2	50.6	42.4	36.2	40.0	25.9	i	i	
i	Informational measurement only, no limit available						20	9.2	51.6	17.5	42.5	37.2	49.0	39.8	34.2	40.0	24.0	i	i	
	10% length rule - will fail when length > 110 m						25	10.2	50.0	17.0	39.8	35.3	47.3	37.1	32.3	40.0	22.0	i	i	
	Not evaluated against the test limit						31	11.5	48.4	16.5	36.9	33.4	45.7	34.2	30.4	40.0	i	i	i	
	If Insertion Loss < 3 dB, not evaluated against the test limit						63	16.4	43.4	14.0	27.0	27.3	40.6	24.2	24.3	40.0	i	i	i	
	If FEXT is < 70 dB, not evaluated against the test limit						100	20.9	39.9	12.0	19.0	23.3	37.1	16.2	20.3	40.0	i	i	i	
							200	30.1	34.8	9.0	4.7	17.2	31.9	1.8	14.2	34.4	i	i	i	
							250	33.9	33.1	8.0	-0.8	15.3	30.2	-3.7	12.3	32.4	i	i	i	
							350	40.6	30.3	6.6	-10.3	12.4	27.3	-13.3	9.4	29.5	i	i	i	
							450	46.5	27.3	6.0	-19.2	10.2	24.4	-22.1	7.2	27.3	i	i	i	
							500	49.3	26.1	6.0	-23.2	9.3	23.2	-26.1	6.3	26.4	i	i	i	

TIA 1005 Cat 6A Channel E3 (+PoE)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	0.2 or 3.0	0.2 or 7.0	100	555	50	1	3.0	65.0	19.0	62.0	63.3	62.0	59.0	60.3					
3,6 - 3,6							4	4.2	63.0	19.0	58.9	51.2	60.5	56.4	48.2					
4,5 - 4,5							8	5.8	58.2	19.0	52.4	45.2	55.6	49.8	42.2					
7,8 - 7,8							10	6.5	56.6	19.0	50.1	43.3	54.0	47.5	40.3					
							16	8.2	53.2	18.0	45.0	39.2	50.6	42.4	36.2					
i	Informational measurement only, no limit available						20	9.2	51.6	17.5	42.5	37.2	49.0	39.8	34.2					
	10% length rule - will fail when length > 110 m						25	10.2	50.0	17.0	39.8	35.3	47.3	37.1	32.3					
	Not evaluated against the test limit						31	11.5	48.4	16.5	36.9	33.4	45.7	34.2	30.4					
	If Insertion Loss < 3 dB, not evaluated against the test limit						63	16.4	43.4	14.0	27.0	27.3	40.6	24.2	24.3					
	If FEXT is < 70 dB, not evaluated against the test limit						100	20.9	39.9	12.0	19.0	23.3	37.1	16.2	20.3					
							200	30.1	34.8	9.0	4.7	17.2	31.9	1.8	14.2					
							250	33.9	33.1	8.0	-0.8	15.3	30.2	-3.7	12.3					
							350	40.6	30.3	6.6	-10.3	12.4	27.3	-13.3	9.4					
							450	46.5	27.3	6.0	-19.2	10.2	24.4	-22.1	7.2					
							500	49.3	26.1	6.0	-23.2	9.3	23.2	-26.1	6.3					

Copper Limit Lines - Cat 6

TIA Cat 6 Perm. Link

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair			Skew		Loss												
1,2 - 1,2	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
3,6 - 3,6	i			90	498	44	1	3.0	65.0	19.1	62.0	64.2	62.0	59.0	61.2					
4,5 - 4,5							4	3.5	64.1	21.0	60.6	52.1	61.8	58.3	49.1					
7,8 - 7,8							8	5.0	59.4	21.0	54.4	46.1	57.0	52.1	43.1					
							10	5.5	57.8	21.0	52.3	44.2	55.5	49.9	41.2					
i	Informational measurement only, no limit available						16	7.0	54.6	20.0	47.6	40.1	52.2	45.2	37.1					
	10% length rule - will fail when length > 99 m						20	7.9	53.1	19.5	45.2	38.2	50.7	42.8	35.2					
	Not evaluated against the test limit						25	8.9	51.5	19.0	42.7	36.2	49.1	40.2	33.2					
	If Insertion Loss < 3 dB, not evaluated against the test limit						31	10.0	50.0	18.5	40.0	34.3	47.5	37.6	31.3					
	If FEXT is < 67 dB, not evaluated against the test limit						63	14.4	45.1	16.0	30.8	28.3	42.7	28.3	25.3					
							100	18.6	41.8	14.0	23.3	24.2	39.3	20.7	21.2					
							200	27.4	36.9	11.0	9.6	18.2	34.3	7.0	15.2					
							250	31.1	35.3	10.0	4.2	16.2	32.7	1.6	13.2					
							350	i	i	i	i	i	i	i	i					

TIA Cat 6 Perm. Link (+All)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair			Skew		Loss												
1,2 - 1,2	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
3,6 - 3,6	21	0.2 or 3.0	0.2 or 7.0	90	498	44	1	3.0	65.0	19.1	62.0	64.2	62.0	59.0	61.2	40	30			
4,5 - 4,5							4	3.5	64.1	21.0	60.6	52.1	61.8	58.3	49.1	40	18			
7,8 - 7,8							8	5.0	59.4	21.0	54.4	46.1	57.0	52.1	43.1	37	12			
							10	5.5	57.8	21.0	52.3	44.2	55.5	49.9	41.2	35	10			
i	Informational measurement only, no limit available						16	7.0	54.6	20.0	47.6	40.1	52.2	45.2	37.1	32	6			
	10% length rule - will fail when length > 99 m						20	7.9	53.1	19.5	45.2	38.2	50.7	42.8	35.2	31	4			
	Not evaluated against the test limit						25	8.9	51.5	19.0	42.7	36.2	49.1	40.2	33.2	29	2			
	If Insertion Loss < 3 dB, not evaluated against the test limit						31	10.0	50.0	18.5	40.0	34.3	47.5	37.6	31.3	28	i			
	If FEXT is < 67 dB, not evaluated against the test limit						63	14.4	45.1	16.0	30.8	28.3	42.7	28.3	25.3	23	i			
							100	18.6	41.8	14.0	23.3	24.2	39.3	20.7	21.2	20	i			
							200	27.4	36.9	11.0	9.6	18.2	34.3	7.0	15.2	16	i			
							250	31.1	35.3	10.0	4.2	16.2	32.7	1.6	13.2	14	i			
							350	i	i	i	i	i	i	i	i	i	i			

TIA Cat 6 Perm. Link (+PoE)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair			Skew		Loss												
1,2 - 1,2	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
3,6 - 3,6	21	0.2 or 3.0	0.2 or 7.0	90	498	44	1	3.0	65.0	19.1	62.0	64.2	62.0	59.0	61.2					
4,5 - 4,5							4	3.5	64.1	21.0	60.6	52.1	61.8	58.3	49.1					
7,8 - 7,8							8	5.0	59.4	21.0	54.4	46.1	57.0	52.1	43.1					
							10	5.5	57.8	21.0	52.3	44.2	55.5	49.9	41.2					
i	Informational measurement only, no limit available						16	7.0	54.6	20.0	47.6	40.1	52.2	45.2	37.1					
	10% length rule - will fail when length > 99 m						20	7.9	53.1	19.5	45.2	38.2	50.7	42.8	35.2					
	Not evaluated against the test limit						25	8.9	51.5	19.0	42.7	36.2	49.1	40.2	33.2					
	If Insertion Loss < 3 dB, not evaluated against the test limit						31	10.0	50.0	18.5	40.0	34.3	47.5	37.6	31.3					
	If FEXT is < 67 dB, not evaluated against the test limit						63	14.4	45.1	16.0	30.8	28.3	42.7	28.3	25.3					
							100	18.6	41.8	14.0	23.3	24.2	39.3	20.7	21.2					
							200	27.4	36.9	11.0	9.6	18.2	34.3	7.0	15.2					
							250	31.1	35.3	10.0	4.2	16.2	32.7	1.6	13.2					
							350	i	i	i	i	i	i	i	i					

TIA Cat 6 Channel

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair																	
1,2 - 1,2	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
3,6 - 3,6	i			100	555	50	1	3.0	65.0	19.0	62.0	63.3	62.0	59.0	60.3					
4,5 - 4,5							4	4.0	63.0	19.0	59.0	51.2	60.5	56.5	48.2					
7,8 - 7,8							8	5.7	58.2	19.0	52.5	45.2	55.6	49.9	42.2					
							10	6.3	56.6	19.0	50.2	43.3	54.0	47.7	40.3					
i	Informational measurement only, no limit available						16	8.0	53.2	18.0	45.2	39.2	50.6	42.6	36.2					
	10% length rule - will fail when length > 110 m						20	9.0	51.6	17.5	42.6	37.2	49.0	39.9	34.2					
	Not evaluated against the test limit						25	10.1	50.0	17.0	39.9	35.3	47.3	37.2	32.3					
	If Insertion Loss < 3 dB, not evaluated against the test limit						31	11.4	48.4	16.5	37.0	33.4	45.7	34.3	30.4					
	If FEXT is < 70 dB, not evaluated against the test limit						63	16.5	43.4	14.0	26.9	27.3	40.6	24.1	24.3					
							100	21.3	39.9	12.0	18.6	23.3	37.1	15.8	20.3					
							200	31.5	34.8	9.0	3.3	17.2	31.9	0.3	14.2					
							250	35.9	33.1	8.0	-2.8	15.3	30.2	-5.8	12.3					
							350	i	i	i	i	i	i	i	i					

TIA Cat 6 Channel (+All)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair																	
1,2 - 1,2	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
3,6 - 3,6	25	0.2 or 3.0	0.2 or 7.0	100	555	50	1	3.0	65.0	19.0	62.0	63.3	62.0	59.0	60.3	40	30	i	i	
4,5 - 4,5							4	4.0	63.0	19.0	59.0	51.2	60.5	56.5	48.2	40	18	i	i	
7,8 - 7,8							8	5.7	58.2	19.0	52.5	45.2	55.6	49.9	42.2	37	12	i	i	
							10	6.3	56.6	19.0	50.2	43.3	54.0	47.7	40.3	35	10	i	i	
i	Informational measurement only, no limit available						16	8.0	53.2	18.0	45.2	39.2	50.6	42.6	36.2	32	6	i	i	
	10% length rule - will fail when length > 110 m						20	9.0	51.6	17.5	42.6	37.2	49.0	39.9	34.2	31	4	i	i	
	Not evaluated against the test limit						25	10.1	50.0	17.0	39.9	35.3	47.3	37.2	32.3	29	2	i	i	
	If Insertion Loss < 3 dB, not evaluated against the test limit						31	11.4	48.4	16.5	37.0	33.4	45.7	34.3	30.4	28	i	i	i	
	If FEXT is < 70 dB, not evaluated against the test limit						63	16.5	43.4	14.0	26.9	27.3	40.6	24.1	24.3	23	i	i	i	
							100	21.3	39.9	12.0	18.6	23.3	37.1	15.8	20.3	20	i	i	i	
							200	31.5	34.8	9.0	3.3	17.2	31.9	0.3	14.2	16	i	i	i	
							250	35.9	33.1	8.0	-2.8	15.3	30.2	-5.8	12.3	14	i	i	i	
							350	i	i	i	i	i	i	i	i	i	i	i	i	

TIA Cat 6 Channel (+PoE)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair																	
1,2 - 1,2	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
3,6 - 3,6	25	0.2 or 3.0	0.2 or 7.0	100	555	50	1	3.0	65.0	19.0	62.0	63.3	62.0	59.0	60.3					
4,5 - 4,5							4	4.0	63.0	19.0	59.0	51.2	60.5	56.5	48.2					
7,8 - 7,8							8	5.7	58.2	19.0	52.5	45.2	55.6	49.9	42.2					
							10	6.3	56.6	19.0	50.2	43.3	54.0	47.7	40.3					
i	Informational measurement only, no limit available						16	8.0	53.2	18.0	45.2	39.2	50.6	42.6	36.2					
	10% length rule - will fail when length > 110 m						20	9.0	51.6	17.5	42.6	37.2	49.0	39.9	34.2					
	Not evaluated against the test limit						25	10.1	50.0	17.0	39.9	35.3	47.3	37.2	32.3					
	If Insertion Loss < 3 dB, not evaluated against the test limit						31	11.4	48.4	16.5	37.0	33.4	45.7	34.3	30.4					
	If FEXT is < 70 dB, not evaluated against the test limit						63	16.5	43.4	14.0	26.9	27.3	40.6	24.1	24.3					
							100	21.3	39.9	12.0	18.6	23.3	37.1	15.8	20.3					
							200	31.5	34.8	9.0	3.3	17.2	31.9	0.3	14.2					
							250	35.9	33.1	8.0	-2.8	15.3	30.2	-5.8	12.3					
							350	i	i	i	i	i	i	i	i					

TIA Cat 6 MPTL

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair																	
1,2 - 1,2	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
3,6 - 3,6	i			90	498	44	1	3.0	65.0	19.1	62.0	64.2	62.0	59.0	61.2					
4,5 - 4,5							4	3.5	64.1	21.0	60.6	52.1	61.8	58.3	49.1					
7,8 - 7,8							8	5.0	59.4	21.0	54.4	46.1	57.0	52.1	43.1					
							10	5.5	57.8	21.0	52.3	44.2	55.5	49.9	41.2					
i	Informational measurement only, no limit available						16	7.0	54.6	20.0	47.6	40.1	52.2	45.2	37.1					
	10% length rule - will fail when length > 99 m						20	7.9	53.1	19.5	45.2	38.2	50.7	42.8	35.2					
	Not evaluated against the test limit						25	8.9	51.5	19.0	42.7	36.2	49.1	40.2	33.2					
	If Insertion Loss < 3 dB, not evaluated against the test limit						31	10.0	50.0	18.5	40.0	34.3	47.5	37.6	31.3					
	If FEXT is < 70 dB, not evaluated against the test limit						63	14.4	45.1	16.0	30.8	28.3	42.7	28.3	25.3					
							100	18.6	41.8	14.0	23.3	24.2	39.3	20.7	21.2					
							200	27.4	36.9	11.0	9.6	18.2	34.3	7.0	15.2					
							250	31.1	35.3	10.0	4.2	16.2	32.7	1.6	13.2					
							350	i	i	i	i	i	i	i	i					

TIA Cat 6 MPTL (+PoE)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair																	
1,2 - 1,2	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
3,6 - 3,6	i	i	i	90	498	44	1	3.0	65.0	19.1	62.0	64.2	62.0	59.0	61.2					
4,5 - 4,5							4	3.5	64.1	21.0	60.6	52.1	61.8	58.3	49.1					
7,8 - 7,8							8	5.0	59.4	21.0	54.4	46.1	57.0	52.1	43.1					
							10	5.5	57.8	21.0	52.3	44.2	55.5	49.9	41.2					
i	Informational measurement only, no limit available						16	7.0	54.6	20.0	47.6	40.1	52.2	45.2	37.1					
	10% length rule - will fail when length > 99 m						20	7.9	53.1	19.5	45.2	38.2	50.7	42.8	35.2					
	Not evaluated against the test limit						25	8.9	51.5	19.0	42.7	36.2	49.1	40.2	33.2					
	If Insertion Loss < 3 dB, not evaluated against the test limit						31	10.0	50.0	18.5	40.0	34.3	47.5	37.6	31.3					
	If FEXT is < 70 dB, not evaluated against the test limit						63	14.4	45.1	16.0	30.8	28.3	42.7	28.3	25.3					
							100	18.6	41.8	14.0	23.3	24.2	39.3	20.7	21.2					
							200	27.4	36.9	11.0	9.6	18.2	34.3	7.0	15.2					
							250	31.1	35.3	10.0	4.2	16.2	32.7	1.6	13.2					
							350	i	i	i	i	i	i	i	i					

TIA 1005 Cat 6 Perm. Link

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair																	
1,2 - 1,2	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
3,6 - 3,6	i			90	498	44	1	3.0	65.0	19.1	62.0	64.2	62.0	59.0	61.2					
4,5 - 4,5							4	3.5	64.1	21.0	60.6	52.1	61.8	58.3	49.1					
7,8 - 7,8							8	5.0	59.4	21.0	54.4	46.1	57.0	52.1	43.1					
							10	5.5	57.8	21.0	52.3	44.2	55.5	49.9	41.2					
i	Informational measurement only, no limit available						16	7.0	54.6	20.0	47.6	40.1	52.2	45.2	37.1					
	10% length rule - will fail when length > 99 m						20	7.9	53.1	19.5	45.2	38.2	50.7	42.8	35.2					
	Not evaluated against the test limit						25	8.9	51.5	19.0	42.7	36.2	49.1	40.2	33.2					
	If Insertion Loss < 3 dB, not evaluated against the test limit						31	10.0	50.0	18.5	40.0	34.3	47.5	37.6	31.3					
	If FEXT is < 70 dB, not evaluated against the test limit						63	14.4	45.1	16.0	30.8	28.3	42.7	28.3	25.3					
							100	18.6	41.8	14.0	23.3	24.2	39.3	20.7	21.2					
							200	27.4	36.9	11.0	9.6	18.2	34.3	7.0	15.2					
							250	31.1	35.3	10.0	4.2	16.2	32.7	1.6	13.2					
							350	i	i	i	i	i	i	i	i					

TIA 1005 Cat 6 Channel

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair																	
1,2 - 1,2	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
3,6 - 3,6	i			100	555	50	1	3.0	65.0	19.0	62.0	63.3	62.0	59.0	60.3					
4,5 - 4,5							4	4.0	63.0	19.0	59.0	51.2	60.5	56.5	48.2					
7,8 - 7,8							8	5.7	58.2	19.0	52.5	45.2	55.6	49.9	42.2					
							10	6.3	56.6	19.0	50.2	43.3	54.0	47.7	40.3					
i	Informational measurement only, no limit available						16	8.0	53.2	18.0	45.2	39.2	50.6	42.6	36.2					
	10% length rule - will fail when length > 110 m						20	9.0	51.6	17.5	42.6	37.2	49.0	39.9	34.2					
	Not evaluated against the test limit						25	10.1	50.0	17.0	39.9	35.3	47.3	37.2	32.3					
	If Insertion Loss < 3 dB, not evaluated against the test limit						31	11.4	48.4	16.5	37.0	33.4	45.7	34.3	30.4					
	If FEXT is < 70 dB, not evaluated against the test limit						63	16.5	43.4	14.0	26.9	27.3	40.6	24.1	24.3					
							100	21.3	39.9	12.0	18.6	23.3	37.1	15.8	20.3					
							200	31.5	34.8	9.0	3.3	17.2	31.9	0.3	14.2					
							250	35.9	33.1	8.0	-2.8	15.3	30.2	-5.8	12.3					
							350	i	i	i	i	i	i	i	i					

TIA 1005 Cat 6 Channel E1 (+All)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair																	
1,2 - 1,2	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
3,6 - 3,6	25	0.2 or 3.0	0.2 or 7.0	100	555	50	1	3.0	65.0	19.0	62.0	63.3	62.0	59.0	60.3	40	30	i	i	
4,5 - 4,5							4	4.0	63.0	19.0	59.0	51.2	60.5	56.5	48.2	40	18	i	i	
7,8 - 7,8							8	5.7	58.2	19.0	52.5	45.2	55.6	49.9	42.2	40	12	i	i	
							10	6.3	56.6	19.0	50.2	43.3	54.0	47.7	40.3	38	10	i	i	
i	Informational measurement only, no limit available						16	8.0	53.2	18.0	45.2	39.2	50.6	42.6	36.2	35	6	i	i	
	10% length rule - will fail when length > 110 m						20	9.0	51.6	17.5	42.6	37.2	49.0	39.9	34.2	34	4	i	i	
	Not evaluated against the test limit						25	10.1	50.0	17.0	39.9	35.3	47.3	37.2	32.3	32	2	i	i	
	If Insertion Loss < 3 dB, not evaluated against the test limit						31	11.4	48.4	16.5	37.0	33.4	45.7	34.3	30.4	31	i	i	i	
	If FEXT is < 70 dB, not evaluated against the test limit						63	16.5	43.4	14.0	26.9	27.3	40.6	24.1	24.3	25	i	i	i	
							100	21.3	39.9	12.0	18.6	23.3	37.1	15.8	20.3	20	i	i	i	
							200	31.5	34.8	9.0	3.3	17.2	31.9	0.3	14.2	14	i	i	i	
							250	35.9	33.1	8.0	-2.8	15.3	30.2	-5.8	12.3	12	i	i	i	
							350	i	i	i	i	i	i	i	i	i	i	i	i	

TIA 1005 Cat 6 Channel E1 (+PoE)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair																	
1,2 - 1,2	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
3,6 - 3,6	25	0.2 or 3.0	0.2 or 7.0	100	555	50	1	3.0	65.0	19.0	62.0	63.3	62.0	59.0	60.3					
4,5 - 4,5							4	4.0	63.0	19.0	59.0	51.2	60.5	56.5	48.2					
7,8 - 7,8							8	5.7	58.2	19.0	52.5	45.2	55.6	49.9	42.2					
							10	6.3	56.6	19.0	50.2	43.3	54.0	47.7	40.3					
i	Informational measurement only, no limit available						16	8.0	53.2	18.0	45.2	39.2	50.6	42.6	36.2					
	10% length rule - will fail when length > 110 m						20	9.0	51.6	17.5	42.6	37.2	49.0	39.9	34.2					
	Not evaluated against the test limit						25	10.1	50.0	17.0	39.9	35.3	47.3	37.2	32.3					
	If Insertion Loss < 3 dB, not evaluated against the test limit						31	11.4	48.4	16.5	37.0	33.4	45.7	34.3	30.4					
	If FEXT is < 70 dB, not evaluated against the test limit						63	16.5	43.4	14.0	26.9	27.3	40.6	24.1	24.3					
							100	21.3	39.9	12.0	18.6	23.3	37.1	15.8	20.3					
							200	31.5	34.8	9.0	3.3	17.2	31.9	0.3	14.2					
							250	35.9	33.1	8.0	-2.8	15.3	30.2	-5.8	12.3					
							350	i	i	i	i	i	i	i	i					

TIA 1005 Cat 6 Channel E2 (+All)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair																	
1,2 - 1,2	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
3,6 - 3,6	25	0.2 or 3.0	0.2 or 7.0	100	555	50	1	3.0	65.0	19.0	62.0	63.3	62.0	59.0	60.3	40	40	i	i	
4,5 - 4,5							4	4.0	63.0	19.0	59.0	51.2	60.5	56.5	48.2	40	28	i	i	
7,8 - 7,8							8	5.7	58.2	19.0	52.5	45.2	55.6	49.9	42.2	40	22	i	i	
							10	6.3	56.6	19.0	50.2	43.3	54.0	47.7	40.3	40	20	i	i	
i	Informational measurement only, no limit available						16	8.0	53.2	18.0	45.2	39.2	50.6	42.6	36.2	40	16	i	i	
	10% length rule - will fail when length > 110 m						20	9.0	51.6	17.5	42.6	37.2	49.0	39.9	34.2	40	14	i	i	
	Not evaluated against the test limit						25	10.1	50.0	17.0	39.9	35.3	47.3	37.2	32.3	40	12	i	i	
	If Insertion Loss < 3 dB, not evaluated against the test limit						31	11.4	48.4	16.5	37.0	33.4	45.7	34.3	30.4	40	i	i	i	
	If FEXT is < 70 dB, not evaluated against the test limit						63	16.5	43.4	14.0	26.9	27.3	40.6	24.1	24.3	35	i	i	i	
							100	21.3	39.9	12.0	18.6	23.3	37.1	15.8	20.3	30	i	i	i	
							200	31.5	34.8	9.0	3.3	17.2	31.9	0.3	14.2	24	i	i	i	
							250	35.9	33.1	8.0	-2.8	15.3	30.2	-5.8	12.3	22	i	i	i	
							350	i	i	i	i	i	i	i	i	i	i	i	i	

TIA 1005 Cat 6 Channel E2 (+PoE)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair																	
1,2 - 1,2	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
3,6 - 3,6	25	0.2 or 3.0	0.2 or 7.0	100	555	50	1	3.0	65.0	19.0	62.0	63.3	62.0	59.0	60.3					
4,5 - 4,5							4	4.0	63.0	19.0	59.0	51.2	60.5	56.5	48.2					
7,8 - 7,8							8	5.7	58.2	19.0	52.5	45.2	55.6	49.9	42.2					
							10	6.3	56.6	19.0	50.2	43.3	54.0	47.7	40.3					
i	Informational measurement only, no limit available						16	8.0	53.2	18.0	45.2	39.2	50.6	42.6	36.2					
	10% length rule - will fail when length > 110 m						20	9.0	51.6	17.5	42.6	37.2	49.0	39.9	34.2					
	Not evaluated against the test limit						25	10.1	50.0	17.0	39.9	35.3	47.3	37.2	32.3					
	If Insertion Loss < 3 dB, not evaluated against the test limit						31	11.4	48.4	16.5	37.0	33.4	45.7	34.3	30.4					
	If FEXT is < 70 dB, not evaluated against the test limit						63	16.5	43.4	14.0	26.9	27.3	40.6	24.1	24.3					
							100	21.3	39.9	12.0	18.6	23.3	37.1	15.8	20.3					
							200	31.5	34.8	9.0	3.3	17.2	31.9	0.3	14.2					
							250	35.9	33.1	8.0	-2.8	15.3	30.2	-5.8	12.3					
							350	i	i	i	i	i	i	i	i					

TIA 1005 Cat 6 Channel E3 (+All)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair																	
1,2 - 1,2	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
3,6 - 3,6	25	0.2 or 3.0	0.2 or 7.0	100	555	50	1	3.0	65.0	19.0	62.0	63.3	62.0	59.0	60.3	40	40	i	i	
4,5 - 4,5							4	4.0	63.0	19.0	59.0	51.2	60.5	56.5	48.2	40	38	i	i	
7,8 - 7,8							8	5.7	58.2	19.0	52.5	45.2	55.6	49.9	42.2	40	32	i	i	
							10	6.3	56.6	19.0	50.2	43.3	54.0	47.7	40.3	40	30	i	i	
i	Informational measurement only, no limit available						16	8.0	53.2	18.0	45.2	39.2	50.6	42.6	36.2	40	26	i	i	
	10% length rule - will fail when length > 110 m						20	9.0	51.6	17.5	42.6	37.2	49.0	39.9	34.2	40	24	i	i	
	Not evaluated against the test limit						25	10.1	50.0	17.0	39.9	35.3	47.3	37.2	32.3	40	22	i	i	
	If Insertion Loss < 3 dB, not evaluated against the test limit						31	11.4	48.4	16.5	37.0	33.4	45.7	34.3	30.4	40	i	i	i	
	If FEXT is < 70 dB, not evaluated against the test limit						63	16.5	43.4	14.0	26.9	27.3	40.6	24.1	24.3	40	i	i	i	
							100	21.3	39.9	12.0	18.6	23.3	37.1	15.8	20.3	40	i	i	i	
							200	31.5	34.8	9.0	3.3	17.2	31.9	0.3	14.2	34	i	i	i	
							250	35.9	33.1	8.0	-2.8	15.3	30.2	-5.8	12.3	32	i	i	i	
							350	i	i	i	i	i	i	i	i	i	i	i	i	

TIA 1005 Cat 6 Channel E3 (+PoE)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair																	
1,2 - 1,2	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
3,6 - 3,6	25	0.2 or 3.0	0.2 or 7.0	100	555	50	1	3.0	65.0	19.0	62.0	63.3	62.0	59.0	60.3					
4,5 - 4,5							4	4.0	63.0	19.0	59.0	51.2	60.5	56.5	48.2					
7,8 - 7,8							8	5.7	58.2	19.0	52.5	45.2	55.6	49.9	42.2					
							10	6.3	56.6	19.0	50.2	43.3	54.0	47.7	40.3					
i	Informational measurement only, no limit available						16	8.0	53.2	18.0	45.2	39.2	50.6	42.6	36.2					
	10% length rule - will fail when length > 110 m						20	9.0	51.6	17.5	42.6	37.2	49.0	39.9	34.2					
	Not evaluated against the test limit						25	10.1	50.0	17.0	39.9	35.3	47.3	37.2	32.3					
	If Insertion Loss < 3 dB, not evaluated against the test limit						31	11.4	48.4	16.5	37.0	33.4	45.7	34.3	30.4					
	If FEXT is < 70 dB, not evaluated against the test limit						63	16.5	43.4	14.0	26.9	27.3	40.6	24.1	24.3					
							100	21.3	39.9	12.0	18.6	23.3	37.1	15.8	20.3					
							200	31.5	34.8	9.0	3.3	17.2	31.9	0.3	14.2					
							250	35.9	33.1	8.0	-2.8	15.3	30.2	-5.8	12.3					
							350	i	i	i	i	i	i	i	i					

TIA Cat 5e Perm. Link

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair																	
1,2 - 1,2	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
3,6 - 3,6	i			90	498	44	1	3.0	60.0	19.0	57.0	58.6	57.0	54.0	55.6					
4,5 - 4,5							4	3.9	54.8	19.0	50.9	46.6	51.8	47.9	43.6					
7,8 - 7,8							8	5.5	50.0	19.0	44.5	40.6	47.0	41.5	37.6					
							10	6.2	48.5	19.0	42.3	38.6	45.5	39.3	35.6					
i	Informational measurement only, no limit available						16	7.9	45.2	19.0	37.3	34.5	42.2	34.3	31.5					
	10% length rule - will fail when length > 99 m						20	8.9	43.7	19.0	34.8	32.6	40.7	31.8	29.6					
	Not evaluated against the test limit						25	10.0	42.1	18.0	32.1	30.7	39.1	29.1	27.7					
	If Insertion Loss < 3 dB, not evaluated against the test limit						31	11.2	40.5	17.1	29.3	28.7	37.5	26.3	25.7					
	If FEXT is < 67 dB, not evaluated against the test limit						63	16.2	35.7	14.1	19.4	22.7	32.7	16.4	19.7					
							100	21.0	32.3	12.0	11.3	18.6	29.3	8.3	15.6					
							200	i	i	i	i	i	i	i	i					
							250	i	i	i	i	i	i	i	i					
							350	i	i	i	i	i	i	i	i					

TIA Cat 5e Perm. Link (+All)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair			Skew		Loss												
1,2 - 1,2	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
3,6 - 3,6	21	0.2 or 3.0	0.2 or 7.0	90	498	44	1	3.0	60.0	19.0	57.0	58.6	57.0	54.0	55.6	i	i	i	i	
4,5 - 4,5							4	3.9	54.8	19.0	50.9	46.6	51.8	47.9	43.6	i	i	i	i	
7,8 - 7,8							8	5.5	50.0	19.0	44.5	40.6	47.0	41.5	37.6	i	i	i	i	
							10	6.2	48.5	19.0	42.3	38.6	45.5	39.3	35.6	i	i	i	i	
i	Informational measurement only, no limit available						16	7.9	45.2	19.0	37.3	34.5	42.2	34.3	31.5	i	i	i	i	
	10% length rule - will fail when length > 99 m						20	8.9	43.7	19.0	34.8	32.6	40.7	31.8	29.6	i	i	i	i	
	Not evaluated against the test limit						25	10.0	42.1	18.0	32.1	30.7	39.1	29.1	27.7	i	i	i	i	
	If Insertion Loss < 3 dB, not evaluated against the test limit						31	11.2	40.5	17.1	29.3	28.7	37.5	26.3	25.7	i	i	i	i	
	If FEXT is < 67 dB, not evaluated against the test limit						63	16.2	35.7	14.1	19.4	22.7	32.7	16.4	19.7	i	i	i	i	
							100	21.0	32.3	12.0	11.3	18.6	29.3	8.3	15.6	i	i	i	i	
							200	i	i	i	i	i	i	i	i	i	i	i	i	
							250	i	i	i	i	i	i	i	i	i	i	i	i	
							350	i	i	i	i	i	i	i	i	i	i	i	i	

TIA Cat 5e Perm. Link (+PoE)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair			Skew		Loss												
1,2 - 1,2	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
3,6 - 3,6	21	0.2 or 3.0	0.2 or 7.0	90	498	44	1	3.0	60.0	19.0	57.0	58.6	57.0	54.0	55.6					
4,5 - 4,5							4	3.9	54.8	19.0	50.9	46.6	51.8	47.9	43.6					
7,8 - 7,8							8	5.5	50.0	19.0	44.5	40.6	47.0	41.5	37.6					
							10	6.2	48.5	19.0	42.3	38.6	45.5	39.3	35.6					
i	Informational measurement only, no limit available						16	7.9	45.2	19.0	37.3	34.5	42.2	34.3	31.5					
	10% length rule - will fail when length > 99 m						20	8.9	43.7	19.0	34.8	32.6	40.7	31.8	29.6					
	Not evaluated against the test limit						25	10.0	42.1	18.0	32.1	30.7	39.1	29.1	27.7					
	If Insertion Loss < 3 dB, not evaluated against the test limit						31	11.2	40.5	17.1	29.3	28.7	37.5	26.3	25.7					
	If FEXT is < 70 dB, not evaluated against the test limit						63	16.2	35.7	14.1	19.4	22.7	32.7	16.4	19.7					
							100	21.0	32.3	12.0	11.3	18.6	29.3	8.3	15.6					
							200	i	i	i	i	i	i	i	i					
							250	i	i	i	i	i	i	i	i					
							350	i	i	i	i	i	i	i	i					

TIA Cat 5e Channel

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair			Skew		Loss												
1,2 - 1,2	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
3,6 - 3,6	i			100	555	50	1	3.0	60.0	17.0	57.0	57.4	57.0	54.0	54.4					
4,5 - 4,5							4	4.5	53.5	17.0	49.1	45.4	50.5	46.1	42.4					
7,8 - 7,8							8	6.3	48.6	17.0	42.3	39.3	45.6	39.3	36.3					
							10	7.1	47.0	17.0	39.9	37.4	44.0	36.9	34.4					
i	Informational measurement only, no limit available						16	9.1	43.6	17.0	34.5	33.3	40.6	31.5	30.3					
	10% length rule - will fail when length > 110 m						20	10.2	42.0	17.0	31.8	31.4	39.0	28.8	28.4					
	Not evaluated against the test limit						25	11.4	40.3	16.0	28.9	29.4	37.3	25.9	26.4					
	If Insertion Loss < 3 dB, not evaluated against the test limit						31	12.9	38.7	15.1	25.9	27.5	35.7	22.9	24.5					
	If FEXT is < 70 dB, not evaluated against the test limit						63	18.6	33.6	12.1	15.0	21.5	30.6	12.0	18.5					
							100	24.0	30.1	10.0	6.1	17.4	27.1	3.1	14.4					
							200	i	i	i	i	i	i	i	i					
							250	i	i	i	i	i	i	i	i					
							350	i	i	i	i	i	i	i	i					

TIA Cat 5e Channel (+All)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair			Skew		Loss												
1,2 - 1,2	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
3,6 - 3,6	25	0.2 or 3.0	0.2 or 7.0	100	555	50	1	3.0	60.0	17.0	57.0	57.4	57.0	54.0	54.4	i	i	i	i	
4,5 - 4,5							4	4.5	53.5	17.0	49.1	45.4	50.5	46.1	42.4	i	i	i	i	
7,8 - 7,8							8	6.3	48.6	17.0	42.3	39.3	45.6	39.3	36.3	i	i	i	i	
							10	7.1	47.0	17.0	39.9	37.4	44.0	36.9	34.4	i	i	i	i	
i	Informational measurement only, no limit available						16	9.1	43.6	17.0	34.5	33.3	40.6	31.5	30.3	i	i	i	i	
	10% length rule - will fail when length > 110 m						20	10.2	42.0	17.0	31.8	31.4	39.0	28.8	28.4	i	i	i	i	
	Not evaluated against the test limit						25	11.4	40.3	16.0	28.9	29.4	37.3	25.9	26.4	i	i	i	i	
	If Insertion Loss < 3 dB, not evaluated against the test limit						31	12.9	38.7	15.1	25.9	27.5	35.7	22.9	24.5	i	i	i	i	
	If FEXT is < 70 dB, not evaluated against the test limit						63	18.6	33.6	12.1	15.0	21.5	30.6	12.0	18.5	i	i	i	i	
							100	24.0	30.1	10.0	6.1	17.4	27.1	3.1	14.4	i	i	i	i	
							200	i	i	i	i	i	i	i	i	i	i	i	i	
							250	i	i	i	i	i	i	i	i	i	i	i	i	
							350	i	i	i	i	i	i	i	i	i	i	i	i	

TIA Cat 5e Channel (+PoE)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair			Skew		Loss												
1,2 - 1,2	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
3,6 - 3,6	25	0.2 or 3.0	0.2 or 7.0	100	555	50	1	3.0	60.0	17.0	57.0	57.4	57.0	54.0	54.4					
4,5 - 4,5							4	4.5	53.5	17.0	49.1	45.4	50.5	46.1	42.4					
7,8 - 7,8							8	6.3	48.6	17.0	42.3	39.3	45.6	39.3	36.3					
							10	7.1	47.0	17.0	39.9	37.4	44.0	36.9	34.4					
i	Informational measurement only, no limit available						16	9.1	43.6	17.0	34.5	33.3	40.6	31.5	30.3					
	10% length rule - will fail when length > 110 m						20	10.2	42.0	17.0	31.8	31.4	39.0	28.8	28.4					
	Not evaluated against the test limit						25	11.4	40.3	16.0	28.9	29.4	37.3	25.9	26.4					
	If Insertion Loss < 3 dB, not evaluated against the test limit						31	12.9	38.7	15.1	25.9	27.5	35.7	22.9	24.5					
	If FEXT is < 70 dB, not evaluated against the test limit						63	18.6	33.6	12.1	15.0	21.5	30.6	12.0	18.5					
							100	24.0	30.1	10.0	6.1	17.4	27.1	3.1	14.4					
							200	i	i	i	i	i	i	i	i					
							250	i	i	i	i	i	i	i	i					
							350	i	i	i	i	i	i	i	i					

TIA Cat 5e MPTL

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair			Skew		Loss												
1,2 - 1,2	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
3,6 - 3,6	i			90	498	44	1	3.0	60.0	19.0	57.0	58.6	57.0	54.0	55.6					
4,5 - 4,5							4	3.9	54.8	19.0	50.9	46.6	51.8	47.9	43.6					
7,8 - 7,8							8	5.5	50.0	19.0	44.5	40.6	47.0	41.5	37.6					
							10	6.2	48.5	19.0	42.3	38.6	45.5	39.3	35.6					
i	Informational measurement only, no limit available						16	7.9	45.2	19.0	37.3	34.5	42.2	34.3	31.5					
	10% length rule - will fail when length > 99 m						20	8.9	43.7	19.0	34.8	32.6	40.7	31.8	29.6					
	Not evaluated against the test limit						25	10.0	42.1	18.0	32.1	30.7	39.1	29.1	27.7					
	If Insertion Loss < 3 dB, not evaluated against the test limit						31	11.2	40.5	17.1	29.3	28.7	37.5	26.3	25.7					
	If FEXT is < 67 dB, not evaluated against the test limit						63	16.2	35.7	14.1	19.4	22.7	32.7	16.4	19.7					
							100	21.0	32.3	12.0	11.3	18.6	29.3	8.3	15.6					
							200	i	i	i	i	i	i	i	i					
							250	i	i	i	i	i	i	i	i					
							350	i	i	i	i	i	i	i	i					

TIA Cat 5e MPTL (+PoE)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair			Skew		Loss												
1,2 - 1,2	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
3,6 - 3,6	i	i	i	90	498	44	1	3.0	60.0	19.0	57.0	58.6	57.0	54.0	55.6					
4,5 - 4,5							4	3.9	54.8	19.0	50.9	46.6	51.8	47.9	43.6					
7,8 - 7,8							8	5.5	50.0	19.0	44.5	40.6	47.0	41.5	37.6					
							10	6.2	48.5	19.0	42.3	38.6	45.5	39.3	35.6					
i	Informational measurement only, no limit available						16	7.9	45.2	19.0	37.3	34.5	42.2	34.3	31.5					
	10% length rule - will fail when length > 99 m						20	8.9	43.7	19.0	34.8	32.6	40.7	31.8	29.6					
	Not evaluated against the test limit						25	10.0	42.1	18.0	32.1	30.7	39.1	29.1	27.7					
	If Insertion Loss < 3 dB, not evaluated against the test limit						31	11.2	40.5	17.1	29.3	28.7	37.5	26.3	25.7					
	If FEXT is < 67 dB, not evaluated against the test limit						63	16.2	35.7	14.1	19.4	22.7	32.7	16.4	19.7					
							100	21.0	32.3	12.0	11.3	18.6	29.3	8.3	15.6					
							200	i	i	i	i	i	i	i	i					
							250	i	i	i	i	i	i	i	i					
							350	i	i	i	i	i	i	i	i					

TIA 1005 Cat 5e Perm. Link

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair			Skew		Loss												
1,2 - 1,2	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
3,6 - 3,6	None	None	None	90	498	44	1	3.0	60.0	19.0	57.0	58.6	57.0	54.0	55.6					
4,5 - 4,5							4	3.9	54.8	19.0	50.9	46.6	51.8	47.9	43.6					
7,8 - 7,8							8	5.5	50.0	19.0	44.5	40.6	47.0	41.5	37.6					
							10	6.2	48.5	19.0	42.3	38.6	45.5	39.3	35.6					
i	Informational measurement only, no limit available						16	7.9	45.2	19.0	37.3	34.5	42.2	34.3	31.5					
	10% length rule - will fail when length > 99 m						20	8.9	43.7	19.0	34.8	32.6	40.7	31.8	29.6					
	Not evaluated against the test limit						25	10.0	42.1	18.0	32.1	30.7	39.1	29.1	27.7					
	If Insertion Loss < 3 dB, not evaluated against the test limit						31	11.2	40.5	17.1	29.3	28.7	37.5	26.3	25.7					
	If FEXT is < 67 dB, not evaluated against the test limit						63	16.2	35.7	14.1	19.4	22.7	32.7	16.4	19.7					
							100	21.0	32.3	12.0	11.3	18.6	29.3	8.3	15.6					
							200	i	i	i	i	i	i	i	i					
							250	i	i	i	i	i	i	i	i					
							350	i	i	i	i	i	i	i	i					

TIA 1005 Cat 5e Channel

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair			Skew		Loss												
1,2 - 1,2	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
3,6 - 3,6	None	None	None	100	555	50	1	3.0	60.0	17.0	57.0	57.4	57.0	54.0	54.4					
4,5 - 4,5							4	4.5	53.5	17.0	49.1	45.4	50.5	46.1	42.4					
7,8 - 7,8							8	6.3	48.6	17.0	42.3	39.3	45.6	39.3	36.3					
							10	7.1	47.0	17.0	39.9	37.4	44.0	36.9	34.4					
i	Informational measurement only, no limit available						16	9.1	43.6	17.0	34.5	33.3	40.6	31.5	30.3					
	10% length rule - will fail when length > 110 m						20	10.2	42.0	17.0	31.8	31.4	39.0	28.8	28.4					
	Not evaluated against the test limit						25	11.4	40.3	16.0	28.9	29.4	37.3	25.9	26.4					
	If Insertion Loss < 3 dB, not evaluated against the test limit						31	12.9	38.7	15.1	25.9	27.5	35.7	22.9	24.5					
	If FEXT is < 70 dB, not evaluated against the test limit						63	18.6	33.6	12.1	15.0	21.5	30.6	12.0	18.5					
							100	24.0	30.1	10.0	6.1	17.4	27.1	3.1	14.4					
							200	i	i	i	i	i	i	i	i					
							250	i	i	i	i	i	i	i	i					
							350	i	i	i	i	i	i	i	i					

TIA 1005 Cat 5e Channel E1 (+All)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair			Skew		Loss												
1,2 - 1,2	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
3,6 - 3,6	25	0.2 or 3.0	0.2 or 7.0	100	555	50	1	3.0	60.0	17.0	57.0	57.4	57.0	54.0	54.4	40	30	i	i	
4,5 - 4,5							4	4.5	53.5	17.0	49.1	45.4	50.5	46.1	42.4	40	18	i	i	
7,8 - 7,8							8	6.3	48.6	17.0	42.3	39.3	45.6	39.3	36.3	40	12	i	i	
							10	7.1	47.0	17.0	39.9	37.4	44.0	36.9	34.4	38	10	i	i	
i	Informational measurement only, no limit available						16	9.1	43.6	17.0	34.5	33.3	40.6	31.5	30.3	35	6	i	i	
	10% length rule - will fail when length > 110 m						20	10.2	42.0	17.0	31.8	31.4	39.0	28.8	28.4	34	4	i	i	
	Not evaluated against the test limit						25	11.4	40.3	16.0	28.9	29.4	37.3	25.9	26.4	32	2	i	i	
	If Insertion Loss < 3 dB, not evaluated against the test limit						31	12.9	38.7	15.1	25.9	27.5	35.7	22.9	24.5	31	i	i	i	
	If FEXT is < 70 dB, not evaluated against the test limit						63	18.6	33.6	12.1	15.0	21.5	30.6	12.0	18.5	25	i	i	i	
							100	24.0	30.1	10.0	6.1	17.4	27.1	3.1	14.4	20	i	i	i	
							200	i	i	i	i	i	i	i	i	i	i	i	i	
							250	i	i	i	i	i	i	i	i	i	i	i	i	
							350	i	i	i	i	i	i	i	i	i	i	i	i	

TIA 1005 Cat 5e Channel E1 (+PoE)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair			Skew		Loss												
1,2 - 1,2	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
3,6 - 3,6	25	0.2 or 3.0	0.2 or 7.0	100	555	50	1	3.0	60.0	17.0	57.0	57.4	57.0	54.0	54.4					
4,5 - 4,5							4	4.5	53.5	17.0	49.1	45.4	50.5	46.1	42.4					
7,8 - 7,8							8	6.3	48.6	17.0	42.3	39.3	45.6	39.3	36.3					
							10	7.1	47.0	17.0	39.9	37.4	44.0	36.9	34.4					
i	Informational measurement only, no limit available						16	9.1	43.6	17.0	34.5	33.3	40.6	31.5	30.3					
	10% length rule - will fail when length > 110 m						20	10.2	42.0	17.0	31.8	31.4	39.0	28.8	28.4					
	Not evaluated against the test limit						25	11.4	40.3	16.0	28.9	29.4	37.3	25.9	26.4					
	If Insertion Loss < 3 dB, not evaluated against the test limit						31	12.9	38.7	15.1	25.9	27.5	35.7	22.9	24.5					
	If FEXT is < 70 dB, not evaluated against the test limit						63	18.6	33.6	12.1	15.0	21.5	30.6	12.0	18.5					
							100	24.0	30.1	10.0	6.1	17.4	27.1	3.1	14.4					
							200	i	i	i	i	i	i	i	i					
							250	i	i	i	i	i	i	i	i					
							350	i	i	i	i	i	i	i	i					

TIA 1005 Cat 5e Channel E2 (+All)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair			Skew		Loss												
1,2 - 1,2	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
3,6 - 3,6	25	0.2 or 3.0	0.2 or 7.0	100	555	50	1	3.0	60.0	17.0	57.0	57.4	57.0	54.0	54.4	40	40	i	i	
4,5 - 4,5							4	4.5	53.5	17.0	49.1	45.4	50.5	46.1	42.4	40	28	i	i	
7,8 - 7,8							8	6.3	48.6	17.0	42.3	39.3	45.6	39.3	36.3	40	22	i	i	
							10	7.1	47.0	17.0	39.9	37.4	44.0	36.9	34.4	40	20	i	i	
i	Informational measurement only, no limit available						16	9.1	43.6	17.0	34.5	33.3	40.6	31.5	30.3	40	16	i	i	
	10% length rule - will fail when length > 110 m						20	10.2	42.0	17.0	31.8	31.4	39.0	28.8	28.4	40	14	i	i	
	Not evaluated against the test limit						25	11.4	40.3	16.0	28.9	29.4	37.3	25.9	26.4	40	12	i	i	
	If Insertion Loss < 3 dB, not evaluated against the test limit						31	12.9	38.7	15.1	25.9	27.5	35.7	22.9	24.5	40	i	i	i	
	If FEXT is < 70 dB, not evaluated against the test limit						63	18.6	33.6	12.1	15.0	21.5	30.6	12.0	18.5	35	i	i	i	
							100	24.0	30.1	10.0	6.1	17.4	27.1	3.1	14.4	30	i	i	i	
							200	i	i	i	i	i	i	i	i	i	i	i	i	
							250	i	i	i	i	i	i	i	i	i	i	i	i	
							350	i	i	i	i	i	i	i	i	i	i	i	i	

TIA 1005 Cat 5e Channel E2 (+PoE)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair			Skew		Loss												
1,2 - 1,2	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
3,6 - 3,6	25	0.2 or 3.0	0.2 or 7.0	100	555	50	1	3.0	60.0	17.0	57.0	57.4	57.0	54.0	54.4					
4,5 - 4,5							4	4.5	53.5	17.0	49.1	45.4	50.5	46.1	42.4					
7,8 - 7,8							8	6.3	48.6	17.0	42.3	39.3	45.6	39.3	36.3					
							10	7.1	47.0	17.0	39.9	37.4	44.0	36.9	34.4					
i	Informational measurement only, no limit available						16	9.1	43.6	17.0	34.5	33.3	40.6	31.5	30.3					
	10% length rule - will fail when length > 110 m						20	10.2	42.0	17.0	31.8	31.4	39.0	28.8	28.4					
	Not evaluated against the test limit						25	11.4	40.3	16.0	28.9	29.4	37.3	25.9	26.4					
	If Insertion Loss < 3 dB, not evaluated against the test limit						31	12.9	38.7	15.1	25.9	27.5	35.7	22.9	24.5					
	If FEXT is < 70 dB, not evaluated against the test limit						63	18.6	33.6	12.1	15.0	21.5	30.6	12.0	18.5					
							100	24.0	30.1	10.0	6.1	17.4	27.1	3.1	14.4					
							200	i	i	i	i	i	i	i	i					
							250	i	i	i	i	i	i	i	i					
							350	i	i	i	i	i	i	i	i					

TIA 1005 Cat 5e Channel E3 (+All)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair			Skew		Loss												
1,2 - 1,2	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
3,6 - 3,6	25	0.2 or 3.0	0.2 or 7.0	100	555	50	1	3.0	60.0	17.0	57.0	57.4	57.0	54.0	54.4	40	40	i	i	
4,5 - 4,5							4	4.5	53.5	17.0	49.1	45.4	50.5	46.1	42.4	40	38	i	i	
7,8 - 7,8							8	6.3	48.6	17.0	42.3	39.3	45.6	39.3	36.3	40	32	i	i	
							10	7.1	47.0	17.0	39.9	37.4	44.0	36.9	34.4	40	30	i	i	
i	Informational measurement only, no limit available						16	9.1	43.6	17.0	34.5	33.3	40.6	31.5	30.3	40	26	i	i	
	10% length rule - will fail when length > 110 m						20	10.2	42.0	17.0	31.8	31.4	39.0	28.8	28.4	40	24	i	i	
	Not evaluated against the test limit						25	11.4	40.3	16.0	28.9	29.4	37.3	25.9	26.4	40	22	i	i	
	If Insertion Loss < 3 dB, not evaluated against the test limit						31	12.9	38.7	15.1	25.9	27.5	35.7	22.9	24.5	40	i	i	i	
	If FEXT is < 70 dB, not evaluated against the test limit						63	18.6	33.6	12.1	15.0	21.5	30.6	12.0	18.5	40	i	i	i	
							100	24.0	30.1	10.0	6.1	17.4	27.1	3.1	14.4	40	i	i	i	
							200	i	i	i	i	i	i	i	i	i	i	i	i	
							250	i	i	i	i	i	i	i	i	i	i	i	i	
							350	i	i	i	i	i	i	i	i	i	i	i	i	

TIA 1005 Cat 5e Channel E3 (+PoE)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair			Skew		Loss												
1,2 - 1,2	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
3,6 - 3,6	25	0.2 or 3.0	0.2 or 7.0	100	555	50	1	3.0	60.0	17.0	57.0	57.4	57.0	54.0	54.4					
4,5 - 4,5							4	4.5	53.5	17.0	49.1	45.4	50.5	46.1	42.4					
7,8 - 7,8							8	6.3	48.6	17.0	42.3	39.3	45.6	39.3	36.3					
							10	7.1	47.0	17.0	39.9	37.4	44.0	36.9	34.4					
i	Informational measurement only, no limit available						16	9.1	43.6	17.0	34.5	33.3	40.6	31.5	30.3					
	10% length rule - will fail when length > 110 m						20	10.2	42.0	17.0	31.8	31.4	39.0	28.8	28.4					
	Not evaluated against the test limit						25	11.4	40.3	16.0	28.9	29.4	37.3	25.9	26.4					
	If Insertion Loss < 3 dB, not evaluated against the test limit						31	12.9	38.7	15.1	25.9	27.5	35.7	22.9	24.5					
	If FEXT is < 70 dB, not evaluated against the test limit						63	18.6	33.6	12.1	15.0	21.5	30.6	12.0	18.5					
							100	24.0	30.1	10.0	6.1	17.4	27.1	3.1	14.4					
							200	i	i	i	i	i	i	i	i					
							250	i	i	i	i	i	i	i	i					
							350	i	i	i	i	i	i	i	i					

TIA Cat 5 Ch (TSB-95)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair			Skew		Loss												
1,2 - 1,2	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
3,6 - 3,6	None	None	None	100	555	50	1	3.0	60.0	15.0	57.0	57.0			54.4					
4,5 - 4,5							4	4.5	50.6	15.0	46.1	45.0			42.4					
7,8 - 7,8							8	6.3	45.6	15.0	39.3	38.9			36.3					
							10	7.1	44.0	15.0	36.9	37.0			34.4					
i	Informational measurement only, no limit available						16	9.1	40.6	15.0	31.6	32.9			30.3					
	10% length rule - will fail when length > 110 m						20	10.2	39.0	15.0	28.8	31.0			28.4					
	Not evaluated against the test limit						25	11.4	37.4	14.0	26.0	29.0			26.4					
	If Insertion Loss < 3 dB, not evaluated against the test limit						31	12.9	35.7	13.1	22.9	27.1			24.5					
	If FEXT is < 70 dB, not evaluated against the test limit						63	18.6	30.6	10.1	12.0	21.1			18.5					
							100	24.0	27.1	8.0	3.1	17.0			14.4					
							200	i	i	i	i	i			i					
							250	i	i	i	i	i			i					
							350	i	i	i	i	i			i					

TIA Cat 5 BL (TSB-95)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair			Skew		Loss												
1,2 - 1,2	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
3,6 - 3,6	None	None	None	94	518	45	1	3.0	60.0	15.0	57.0	57.0			54.4					
4,5 - 4,5							4	4.0	51.8	15.0	47.8	45.0			42.4					
7,8 - 7,8							8	5.7	47.1	15.0	41.4	38.9			36.3					
							10	6.4	45.5	15.0	39.1	37.0			34.4					
i	Informational measurement only, no limit available						16	8.1	42.3	15.0	34.1	32.9			30.3					
	10% length rule - will fail when length > 110 m						20	9.1	40.7	15.0	31.6	31.0			28.4					
	Not evaluated against the test limit						25	10.3	39.1	14.3	28.9	29.0			26.4					
	If Insertion Loss < 3 dB, not evaluated against the test limit						31	11.6	37.6	13.6	26.0	27.1			24.5					
	If FEXT is < 70 dB, not evaluated against the test limit						63	16.7	32.7	11.5	15.9	21.1			18.5					
							100	21.6	29.3	10.1	7.7	17.0			14.4					
							200	i	i	i	i	i			i					
							250	i	i	i	i	i			i					
							350	i	i	i	i	i			i					

TIA Cat 5 Ch (TSB-67)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair			Skew		Loss												
1,2 - 1,2	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
3,6 - 3,6	None	None	None	100	None	50	1	3.0	60.3											
4,5 - 4,5							4	4.5	50.6											
7,8 - 7,8							8	6.3	45.6											
							10	7.0	44.0											
i	Informational measurement only, no limit available						16	9.2	40.6											
	10% length rule - will fail when length > 110 m						20	10.3	39.0											
							25	11.4	37.4											
							31	12.8	35.7											
							63	18.5	30.6											
							100	24.0	27.1											
							200	i	i											
							250	i	i											
							350	i	i											

TIA Cat 5 BL (TSB-67)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair			Skew		Loss												
1,2 - 1,2	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
3,6 - 3,6	None	None	None	94	None	50	1	3.0	60.0											
4,5 - 4,5							4	4.0	51.8											
7,8 - 7,8							8	5.7	47.1											
							10	6.4	45.5											
i	Informational measurement only, no limit available						16	8.1	42.3											
	10% length rule - will fail when length > 110 m						20	9.1	40.7											
							25	10.3	39.1											
							31	11.6	37.6											
							63	16.7	32.7											
							100	21.6	29.3											
							200	i	i											
							250	i	i											
							350	i	i											

Copper Limit Lines - Cat 3

TIA Cat 3 Perm. Link

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair			Skew		Loss			0									
1,2 - 1,2	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
3,6 - 3,6	i			90	498	44	1	3.5	40.1		36.6									
4,5 - 4,5							4	6.2	30.6		24.4									
7,8 - 7,8							8	8.8	25.8		17									
							10	9.9	24.3		14.3									
i	Informational measurement only, no limit available						16	13.0	21.0		8									
	10% length rule - will fail when length > 110 m						20	i	i		i									
	Not evaluated against the test limit						25	i	i		i									
							31	i	i		i									
							63	i	i		i									
							100	i	i		i									
							200	i	i		i									
							250	i	i		i									
							350	i	i		i									

TIA Cat 3 Channel

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair			Skew		Loss			0									
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			100	555	50	1	4.2	39.1		34.9									
3,6 - 3,6							4	7.3	29.3		22									
4,5 - 4,5							8	10.2	24.3		14									
7,8 - 7,8							10	11.5	22.7		11.2									
i	Informational measurement only, no limit available						16	14.9	19.2		4.3									
	10% length rule - will fail when length > 110 m						20	i	i	dB	i									
	Not evaluated against the test limit						25	i	i		i									
							31	i	i		i									
							63	i	i		i									
							100	i	i		i									
							200	i	i		i									
							250	i	i		i									
							350	i	i		i									

TIA TSB155 PL

Wire Map	Resistance			Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss											
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			90	498	44	1	3	65	19		64	62		61				
3,6 - 3,6							4	4	64	21		52	62		49				
4,5 - 4,5							8	5	59	21		46	57		43				
7,8 - 7,8							10	6	58	21		44	56		41				
							16	7	55	20		40	52		37				
i	Informational measurement only, no limit available						20	8	53	20		38	51		35				
	10% length rule - will fail when length > 99 m						25	9	52	19		36	49		33				
	Not evaluated against the test limit						31	10	50	19		34	48		31				
	If Insertion Loss < 3 dB, not evaluated against the test limit						63	14	45	16		28	43		25				
	If FEXT is < 67 dB, not evaluated against the test limit						100	19	42	14		24	39		21				
							200	27	37	11		18	34		15				
							250	31	35	10		16	33		13				
							350	38	31	7		13	29		10				
							450	44	26	6		11	24		8				
							500	47	23	6		10	23		7				

TIA TSB155 Ch

Wire Map	Resistance	None		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			100	555	50	1	3	65	19		63	62		60				
3,6 - 3,6							4	4	63	19		51	61		48				
4,5 - 4,5							8	6	58	19		45	56		42				
7,8 - 7,8							10	6	57	19		43	54		40				
							16	8	53	18		39	51		36				
i	Informational measurement only, no limit available						20	9	52	18		37	49		34				
	10% length rule - will fail when length > 110 m						25	10	50	17		35	47		32				
	Not evaluated against the test limit						31	11	48	17		33	46		30				
	If Insertion Loss < 3 dB, not evaluated against the test limit						63	17	43	14		27	41		24				
	If FEXT is < 70 dB, not evaluated against the test limit						100	21	40	12		23	37		20				
							200	32	35	9		17	32		14				
							250	36	33	8		15	30		12				
							350	44	30	7		12	27		9				
							450	50	24	6		10	22		7				
							500	53	22	6		9	20		6				

Copper Limit Lines - ISO

ISO11801 PL Class II

Wire Map	Resistance	Resistance Unbalance		Length	Delay	Delay Skew	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair					Loss											
	Ω	Ω or %	Ω or %	Max.	nS	nS													
1,2 - 1,2	6	None	None	None	147	9	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
3,6 - 3,6							1	3	65.0	19.1	62.0	65.0	62.0	59.0	62.0				
4,5 - 4,5							4	3	65.0	21.0	62.0	65.0	62.0	59.0	62.0				
7,8 - 7,8							8	3	65.0	21.0	62.0	65.0	62.0	59.0	62.0				
							10	3	65.0	21.0	62.0	65.0	62.0	59.0	62.0				
							16	3	65.0	20.0	62.0	65.0	62.0	59.0	62.0				
	Not evaluated against the test limit						20	3	65.0	19.5	62.0	65.0	62.0	59.0	62.0				
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	3	65.0	19.0	62.0	65.0	62.0	59.0	62.0				
	If Insertion Loss < 4 dB, not evaluated against the test limit						31.25	3	65.0	18.5	62.0	63.6	62.0	59.0	60.6				
	If FEXT is < 70 dB, not evaluated against the test limit						62.5	4.1	65.0	18.0	60.9	57.6	62.0	57.9	54.6				
	If PS FEXT is < 70 dB, not evaluated against the test limit						100	5.2	65.0	18.0	59.8	53.5	62.0	56.8	50.5				
							200	7.4	60.9	14.4	53.5	47.5	57.9	50.5	44.5				
							250	8.4	59.1	13.2	50.8	45.6	56.1	47.8	42.6				
							350	10	56.4	11.5	46.5	42.6	53.4	43.5	39.6				
							450	11.4	54.4	10.2	43.1	40.5	51.4	40.1	37.5				
							500	12	53.6	10.0	41.6	39.5	50.6	38.6	36.5				
							600	13.2	52.1	10.0	38.9	38.0	49.1	35.9	35.0				
							700	14.4	50.8	9.5	36.5	36.6	47.8	33.5	33.6				
							800	15.4	49.7	9.0	34.3	35.5	46.7	31.3	32.5				
							900	16.4	48.8	8.5	32.4	34.4	45.8	29.4	31.4				
							1000	17.4	47.9	8.0	30.6	33.5	44.9	27.6	30.5				
							1600	22.4	31.5	8.0	9.1	18.5	28.5	6.1	15.5				
							2000	25.3	27.7	6.2	2.4	14.8	24.7	-0.6	11.8				

ISO11801 PL Class II (+All)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	6	0.2 or 3.0	0.2 or 7.0	None	147	9	1	3	65.0	19.1	62.0	65.0	62.0	59.0	62.0	30.0	30.0	i	i
3,6 - 3,6							4	3	65.0	21.0	62.0	65.0	62.0	59.0	62.0	30.0	22.6	i	i
4,5 - 4,5							8	3	65.0	21.0	62.0	65.0	62.0	59.0	62.0	30.0	16.5	i	i
7,8 - 7,8							10	3	65.0	21.0	62.0	65.0	62.0	59.0	62.0	30.0	14.6	i	i
							16	3	65.0	20.0	62.0	65.0	62.0	59.0	62.0	29.5	10.5	i	i
i	Informational measurement only, no limit available						20	3	65.0	19.5	62.0	65.0	62.0	59.0	62.0	27.9	8.6	i	i
	Not evaluated against the test limit						25	3	65.0	19.0	62.0	65.0	62.0	59.0	62.0	26.2	6.6	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	3	65.0	18.5	62.0	63.6	62.0	59.0	60.6	24.6	4.7	i	i
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	4.1	65.0	18.0	60.9	57.6	62.0	57.9	54.6	19.5	3.0	i	i
	If FEXT is < 70 dB, not evaluated against the test limit						100	5.2	65.0	18.0	59.8	53.5	62.0	56.8	50.5	16.0	3.0	i	i
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	7.4	60.9	14.4	53.5	47.5	57.9	50.5	44.5	10.9	3.0	i	i
	TCL and ELTCTL values presented are based on screened pairs.						250	8.4	59.1	13.2	50.8	45.6	56.1	47.8	42.6	9.2	3.0	i	i
	If using unscreeened pairs, the values will be greater by 10 dB.						350	10	56.4	11.5	46.5	42.6	53.4	43.5	39.6	6.8	3.0	i	i
							450	11.4	54.4	10.2	43.1	40.5	51.4	40.1	37.5	4.9	3.0	i	i
							500	12	53.6	10.0	41.6	39.5	50.6	38.6	36.5	4.1	3.0	i	i
							600	13.2	52.1	10.0	38.9	38.0	49.1	35.9	35.0	3.0	3.0	i	i
							700	14.4	50.8	9.5	36.5	36.6	47.8	33.5	33.6	3.0	3.0	i	i
							800	15.4	49.7	9.0	34.3	35.5	46.7	31.3	32.5	3.0	3.0	i	i
							900	16.4	48.8	8.5	32.4	34.4	45.8	29.4	31.4	3.0	3.0	i	i
							1000	17.4	47.9	8.0	30.6	33.5	44.9	27.6	30.5	3.0	3.0	i	i
							1600	22.4	31.5	8.0	9.1	18.5	28.5	6.1	15.5	3.0	3.0	i	i
							2000	25.3	27.7	6.2	2.4	14.8	24.7	-0.6	11.8	3.0	3.0	i	i

ISO11801 PL Class II (+PoE)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	6	0.15 or 3.0	0.1 or 7.0	None	147	9	1	3	65.0	19.1	62.0	65.0	62.0	59.0	62.0				
3,6 - 3,6							4	3	65.0	21.0	62.0	65.0	62.0	59.0	62.0				
4,5 - 4,5							8	3	65.0	21.0	62.0	65.0	62.0	59.0	62.0				
7,8 - 7,8							10	3	65.0	21.0	62.0	65.0	62.0	59.0	62.0				
							16	3	65.0	20.0	62.0	65.0	62.0	59.0	62.0				
							20	3	65.0	19.5	62.0	65.0	62.0	59.0	62.0				
	Not evaluated against the test limit						25	3	65.0	19.0	62.0	65.0	62.0	59.0	62.0				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	3	65.0	18.5	62.0	63.6	62.0	59.0	60.6				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	4.1	65.0	18.0	60.9	57.6	62.0	57.9	54.6				
	If FEXT is < 70 dB, not evaluated against the test limit						100	5.2	65.0	18.0	59.8	53.5	62.0	56.8	50.5				
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	7.4	60.9	14.4	53.5	47.5	57.9	50.5	44.5				
							250	8.4	59.1	13.2	50.8	45.6	56.1	47.8	42.6				
							350	10	56.4	11.5	46.5	42.6	53.4	43.5	39.6				
							450	11.4	54.4	10.2	43.1	40.5	51.4	40.1	37.5				
							500	12	53.6	10.0	41.6	39.5	50.6	38.6	36.5				
							600	13.2	52.1	10.0	38.9	38.0	49.1	35.9	35.0				
							700	14.4	50.8	9.5	36.5	36.6	47.8	33.5	33.6				
							800	15.4	49.7	9.0	34.3	35.5	46.7	31.3	32.5				
							900	16.4	48.8	8.5	32.4	34.4	45.8	29.4	31.4				
							1000	17.4	47.9	8.0	30.6	33.5	44.9	27.6	30.5				
							1600	22.4	31.5	8.0	9.1	18.5	28.5	6.1	15.5				
							2000.0	25.3	27.7	6.2	2.4	14.8	24.7	-0.6	11.8				

ISO11801 Channel Class II

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	6.4	0.2 or 3.0	0.1 or 7.0	None	169	10	1	3	65.0	19.0	62.0	65.0	62.0	59.0	62.0				
3,6 - 3,6							4	3	65.0	19.0	62.0	65.0	62.0	59.0	62.0				
4,5 - 4,5							8	3	65.0	19.0	62.0	65.0	62.0	59.0	62.0				
7,8 - 7,8							10	3	65.0	19.0	62.0	65.0	62.0	59.0	62.0				
							16	3	65.0	18.0	62.0	65.0	62.0	59.0	62.0				
i	Informational measurement only, no limit available						20	3	65.0	17.5	62.0	65.0	62.0	59.0	62.0				
	Not evaluated against the test limit						25	3.1	65.0	17.0	61.9	65.0	62.0	58.9	62.0				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	3.5	65.0	16.5	61.5	63.2	62.0	58.5	60.2				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	5	65.0	16.0	60.0	57.2	62.0	57.0	54.2				
	If FEXT is < 70 dB, not evaluated against the test limit						100	6.3	65.0	16.0	58.7	53.1	62.0	55.7	50.1				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	9	60.9	14.3	51.9	47.1	57.9	48.9	44.1				
							250	10.1	59.1	13.4	49.0	45.2	56.1	46.0	42.2				
							350	12.1	56.4	12.1	44.4	42.2	53.4	41.4	39.2				
							450	13.8	54.4	11.1	40.6	40.0	51.4	37.6	37.0				
							500	14.6	53.6	10.7	39.0	39.1	50.6	36.0	36.1				
							600	16	52.1	10.0	36.0	37.5	49.1	33.0	34.5				
							700	17.4	50.8	9.4	33.4	36.2	47.8	30.4	33.2				
							800	18.7	49.7	8.9	31.0	35.1	46.7	28.0	32.1				
							900	19.9	48.8	8.4	28.9	34.0	45.8	25.9	31.0				
							1000	21.1	47.9	8.0	26.8	33.1	44.9	23.8	30.1				
							1600	27.2	31.5	8.0	4.3	18.4	28.5	1.3	15.4				
							2000.0	30.7	27.7	6.2	-3.1	14.7	24.7	-6.1	11.7				

ISO11801 Channel Class II (+All)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	6.4	0.2 or 3.0	0.1 or 7.0	None	169	10	1	3	65.0	19.0	62.0	65.0	62.0	59.0	62.0	30.0	30.0	i	i
3,6 - 3,6							4	3	65.0	19.0	62.0	65.0	62.0	59.0	62.0	30.0	22.6	i	i
4,5 - 4,5							8	3	65.0	19.0	62.0	65.0	62.0	59.0	62.0	30.0	16.5	i	i
7,8 - 7,8							10	3	65.0	19.0	62.0	65.0	62.0	59.0	62.0	30.0	14.6	i	i
							16	3	65.0	18.0	62.0	65.0	62.0	59.0	62.0	29.5	10.5	i	i
							20	3	65.0	17.5	62.0	65.0	62.0	59.0	62.0	27.9	8.6	i	i
	Not evaluated against the test limit						25	3.1	65.0	17.0	61.9	65.0	62.0	58.9	62.0	26.2	6.6	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	3.5	65.0	16.5	61.5	63.2	62.0	58.5	60.2	24.6	4.7	i	i
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	5	65.0	16.0	60.0	57.2	62.0	57.0	54.2	19.5	3.0	i	i
	If FEXT is < 70 dB, not evaluated against the test limit						100	6.3	65.0	16.0	58.7	53.1	62.0	55.7	50.1	16.0	3.0	i	i
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	9	60.9	14.3	51.9	47.1	57.9	48.9	44.1	10.9	3.0	i	i
	TCL and ELTCTL values presented are based on screened pairs.						250	10.1	59.1	13.4	49.0	45.2	56.1	46.0	42.2	9.2	3.0	i	i
	If using unscreeened pairs, the values will be greater by 10 dB.						350	12.1	56.4	12.1	44.4	42.2	53.4	41.4	39.2	6.8	3.0	i	i
							450	13.8	54.4	11.1	40.6	40.0	51.4	37.6	37.0	4.9	3.0	i	i
							500	14.6	53.6	10.7	39.0	39.1	50.6	36.0	36.1	4.1	3.0	i	i
							600	16	52.1	10.0	36.0	37.5	49.1	33.0	34.5	3.0	3.0	i	i
							700	17.4	50.8	9.4	33.4	36.2	47.8	30.4	33.2	3.0	3.0	i	i
							800	18.7	49.7	8.9	31.0	35.1	46.7	28.0	32.1	3.0	3.0	i	i
							900	19.9	48.8	8.4	28.9	34.0	45.8	25.9	31.0	3.0	3.0	i	i
							1000	21.1	47.9	8.0	26.8	33.1	44.9	23.8	30.1	3.0	3.0	i	i
							1600	27.2	31.5	8.0	4.3	18.4	28.5	1.3	15.4	3.0	3.0	i	i
							2000.0	30.7	27.7	6.2	-3.1	14.7	24.7	-6.1	11.7	3.0	3.0	i	i

ISO11801 Channel Class II (+PoE)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	6.4	0.2 or 3.0	0.1 or 7.0	None	169	10	1	3	65.0	19.0	62.0	65.0	62.0	59.0	62.0				
3,6 - 3,6							4	3	65.0	19.0	62.0	65.0	62.0	59.0	62.0				
4,5 - 4,5							8	3	65.0	19.0	62.0	65.0	62.0	59.0	62.0				
7,8 - 7,8							10	3	65.0	19.0	62.0	65.0	62.0	59.0	62.0				
							16	3	65.0	18.0	62.0	65.0	62.0	59.0	62.0				
i	Informational measurement only, no limit available						20	3	65.0	17.5	62.0	65.0	62.0	59.0	62.0				
	Not evaluated against the test limit						25	3.1	65.0	17.0	61.9	65.0	62.0	58.9	62.0				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	3.5	65.0	16.5	61.5	63.2	62.0	58.5	60.2				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	5	65.0	16.0	60.0	57.2	62.0	57.0	54.2				
	If FEXT is < 70 dB, not evaluated against the test limit						100	6.3	65.0	16.0	58.7	53.1	62.0	55.7	50.1				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	9	60.9	14.3	51.9	47.1	57.9	48.9	44.1				
							250	10.1	59.1	13.4	49.0	45.2	56.1	46.0	42.2				
							350	12.1	56.4	12.1	44.4	42.2	53.4	41.4	39.2				
							450	13.8	54.4	11.1	40.6	40.0	51.4	37.6	37.0				
							500	14.6	53.6	10.7	39.0	39.1	50.6	36.0	36.1				
							600	16	52.1	10.0	36.0	37.5	49.1	33.0	34.5				
							700	17.4	50.8	9.4	33.4	36.2	47.8	30.4	33.2				
							800	18.7	49.7	8.9	31.0	35.1	46.7	28.0	32.1				
							900	19.9	48.8	8.4	28.9	34.0	45.8	25.9	31.0				
							1000	21.1	47.9	8.0	26.8	33.1	44.9	23.8	30.1				
							1600	27.2	31.5	8.0	4.3	18.4	28.5	1.3	15.4				
							2000.0	30.7	27.7	6.2	-3.1	14.7	24.7	-6.1	11.7				

ISO11801 PL Class I

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	6	None	None	None	147	14	1	3	65.0	19.1	62.0	65.0	62.0	59.0	62.0				
3,6 - 3,6							4	3	63.8	21.0	60.8	60.4	60.8	57.8	57.4				
4,5 - 4,5							8	3	58.9	21.0	55.9	54.3	55.9	52.9	51.3				
7,8 - 7,8							10	3	57.3	21.0	54.3	52.4	54.3	51.3	49.4				
							16	3	53.9	20.0	50.9	48.3	50.9	47.9	45.3				
i	Informational measurement only, no limit available						20	3	52.3	19.5	49.3	46.4	49.3	46.3	43.4				
	Not evaluated against the test limit						25	3	50.7	19.0	47.7	44.4	47.7	44.7	41.4				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	3	49.1	18.5	46.1	42.5	46.1	43.1	39.5				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	4.1	44.0	18.0	39.9	36.5	41.0	36.9	33.5				
	If FEXT is < 70 dB, not evaluated against the test limit						100	5.2	40.5	18.0	35.3	32.4	37.5	32.3	29.4				
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	7.4	35.3	14.4	27.9	26.4	32.3	24.9	23.4				
							250	8.4	33.6	13.2	25.3	24.4	30.6	22.3	21.4				
							350	10	31.1	11.5	21.1	21.5	28.1	18.1	18.5				
							450	11.4	29.2	10.2	17.8	19.3	26.2	14.8	16.3				
							500	12	28.4	10.0	16.4	18.4	25.4	13.4	15.4				
							600	13.3	26.2	10.0	12.9	16.8	23.2	9.9	13.8				
							700	14.5	24.3	9.5	9.8	15.5	21.3	6.8	12.5				
							800	15.6	22.5	9.0	6.9	14.3	19.5	3.9	11.3				
							900	16.7	21.0	8.5	4.3	13.3	18.0	1.3	10.3				
							1000	17.7	19.6	8.0	1.8	12.4	16.6	-1.2	9.4				
							1600	23.3	12.9	8.0	-10.3	8.3	9.9	-13.3	5.3				
							2000.0	26.5	9.6	6.2	-16.9	6.4	6.6	-19.9	3.4				

ISO11801 PL Class I (+All)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	6	0.2 or 3.0	0.2 or 7.0	None	147	14	1	3	65.0	19.1	62.0	65.0	62.0	59.0	62.0	30.0	30.0	i	i
3,6 - 3,6							4	3	63.8	21.0	60.8	60.4	60.8	57.8	57.4	30.0	22.6	i	i
4,5 - 4,5							8	3	58.9	21.0	55.9	54.3	55.9	52.9	51.3	30.0	16.5	i	i
7,8 - 7,8							10	3	57.3	21.0	54.3	52.4	54.3	51.3	49.4	30.0	14.6	i	i
							16	3	53.9	20.0	50.9	48.3	50.9	47.9	45.3	29.5	10.5	i	i
i	Informational measurement only, no limit available						20	3	52.3	19.5	49.3	46.4	49.3	46.3	43.4	27.9	8.6	i	i
	Not evaluated against the test limit						25	3	50.7	19.0	47.7	44.4	47.7	44.7	41.4	26.2	6.6	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	3	49.1	18.5	46.1	42.5	46.1	43.1	39.5	24.6	4.7	i	i
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	4.1	44.0	18.0	39.9	36.5	41.0	36.9	33.5	19.5	3.0	i	i
	If FEXT is < 70 dB, not evaluated against the test limit						100	5.2	40.5	18.0	35.3	32.4	37.5	32.3	29.4	16.0	3.0	i	i
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	7.4	35.3	14.4	27.9	26.4	32.3	24.9	23.4	10.9	3.0	i	i
	TCL and ELTCTL values presented are based on screened pairs.						250	8.4	33.6	13.2	25.3	24.4	30.6	22.3	21.4	9.2	3.0	i	i
	If using unscreeened pairs, the values will be greater by 10 dB.						350	10	31.1	11.5	21.1	21.5	28.1	18.1	18.5	6.8	3.0	i	i
							450	11.4	29.2	10.2	17.8	19.3	26.2	14.8	16.3	4.9	3.0	i	i
							500	12	28.4	10.0	16.4	18.4	25.4	13.4	15.4	4.1	3.0	i	i
							600	13.3	26.2	10.0	12.9	16.8	23.2	9.9	13.8	3.0	3.0	i	i
							700	14.5	24.3	9.5	9.8	15.5	21.3	6.8	12.5	3.0	3.0	i	i
							800	15.6	22.5	9.0	6.9	14.3	19.5	3.9	11.3	3.0	3.0	i	i
							900	16.7	21.0	8.5	4.3	13.3	18.0	1.3	10.3	3.0	3.0	i	i
							1000	17.7	19.6	8.0	1.8	12.4	16.6	-1.2	9.4	3.0	3.0	i	i
							1600	23.3	12.9	8.0	-10.3	8.3	9.9	-13.3	5.3	3.0	3.0	i	i
							2000.0	26.5	9.6	6.2	-16.9	6.4	6.6	-19.9	3.4	3	3	i	i

ISO11801 PL Class I (+PoE)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	6	0.2 or 3.0	0.2 or 7.0	None	147	14	1	3	65.0	19.1	62.0	65.0	62.0	59.0	62.0				
3,6 - 3,6							4	3	63.8	21.0	60.8	60.4	60.8	57.8	57.4				
4,5 - 4,5							8	3	58.9	21.0	55.9	54.3	55.9	52.9	51.3				
7,8 - 7,8							10	3	57.3	21.0	54.3	52.4	54.3	51.3	49.4				
							16	3	53.9	20.0	50.9	48.3	50.9	47.9	45.3				
i	Informational measurement only, no limit available						20	3	52.3	19.5	49.3	46.4	49.3	46.3	43.4				
	Not evaluated against the test limit						25	3	50.7	19.0	47.7	44.4	47.7	44.7	41.4				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	3	49.1	18.5	46.1	42.5	46.1	43.1	39.5				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	4.1	44.0	18.0	39.9	36.5	41.0	36.9	33.5				
	If FEXT is < 70 dB, not evaluated against the test limit						100	5.2	40.5	18.0	35.3	32.4	37.5	32.3	29.4				
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	7.4	35.3	14.4	27.9	26.4	32.3	24.9	23.4				
							250	8.4	33.6	13.2	25.3	24.4	30.6	22.3	21.4				
							350	10	31.1	11.5	21.1	21.5	28.1	18.1	18.5				
							450	11.4	29.2	10.2	17.8	19.3	26.2	14.8	16.3				
							500	12	28.4	10.0	16.4	18.4	25.4	13.4	15.4				
							600	13.3	26.2	10.0	12.9	16.8	23.2	9.9	13.8				
							700	14.5	24.3	9.5	9.8	15.5	21.3	6.8	12.5				
							800	15.6	22.5	9.0	6.9	14.3	19.5	3.9	11.3				
							900	16.7	21.0	8.5	4.3	13.3	18.0	1.3	10.3				
							1000	17.7	19.6	8.0	1.8	12.4	16.6	-1.2	9.4				
							1600	23.3	12.9	8.0	-10.3	8.3	9.9	-13.3	5.3				
							2000	26.5	9.6	6.2	-16.9	6.4	6.6	-19.9	3.4				

ISO11801 Channel Class I

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	6.4	None	None	None	169	16	1	3	65.0	19.0	62.0	65.0	62.0	59.0	62.0				
3,6 - 3,6							4	3	63.8	19.0	60.8	59.9	60.8	57.8	56.9				
4,5 - 4,5							8	3	58.9	19.0	55.9	53.9	55.9	52.9	50.9				
7,8 - 7,8							10	3	57.3	19.0	54.3	52.0	54.3	51.3	49.0				
							16	3	53.9	18.0	50.9	47.9	50.9	47.9	44.9				
i	Informational measurement only, no limit available						20	3	52.3	17.5	49.3	45.9	49.3	46.3	42.9				
	Not evaluated against the test limit						25	3.2	50.7	17.0	47.5	44.0	47.7	44.5	41.0				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	3.6	49.1	16.5	45.5	42.1	46.1	42.5	39.1				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	5.1	44.0	16.0	38.9	36.0	41.0	35.9	33.0				
	If FEXT is < 70 dB, not evaluated against the test limit						100	6.5	40.5	16.0	34.0	32.0	37.5	31.0	29.0				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	9.3	35.3	14.3	26.1	25.9	32.3	23.1	22.9				
							250	10.4	33.6	13.4	23.2	24.0	30.6	20.2	21.0				
							350	12.4	31.1	12.1	18.7	21.1	28.1	15.7	18.1				
							450	14.2	29.2	11.1	15.0	18.9	26.2	12.0	15.9				
							500	15	28.4	10.7	13.4	18.0	25.4	10.4	15.0				
							600	16.5	26.2	10.0	9.6	16.4	23.2	6.6	13.4				
							700	18	24.3	9.4	6.3	15.1	21.3	3.3	12.1				
							800	19.4	22.5	8.9	3.2	13.9	19.5	0.2	10.9				
							900	20.7	21.0	8.4	0.3	12.9	18.0	-2.7	9.9				
							1000	22	19.6	8.0	-2.4	12.0	16.6	-5.4	9.0				
							1600	28.7	12.9	8.0	-15.8	7.9	9.9	-18.8	4.9				
							2000.0	32.7	9.6	6.2	-23.1	5.9	6.6	-26.1	2.9				

ISO11801 Channel Class I (+All)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	6.4	0.2 or 3.0	0.2 or 7.0	None	169	16	1	3	65.0	19.0	62.0	65.0	62.0	59.0	62.0	30.0	30.0	i	i
3,6 - 3,6							4	3	63.8	19.0	60.8	59.9	60.8	57.8	56.9	30.0	22.6	i	i
4,5 - 4,5							8	3	58.9	19.0	55.9	53.9	55.9	52.9	50.9	30.0	16.5	i	i
7,8 - 7,8							10	3	57.3	19.0	54.3	52.0	54.3	51.3	49.0	30.0	14.6	i	i
							16	3	53.9	18.0	50.9	47.9	50.9	47.9	44.9	29.5	10.5	i	i
i	Informational measurement only, no limit available						20	3	52.3	17.5	49.3	45.9	49.3	46.3	42.9	27.9	8.6	i	i
	Not evaluated against the test limit						25	3.2	50.7	17.0	47.5	44.0	47.7	44.5	41.0	26.2	6.6	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	3.6	49.1	16.5	45.5	42.1	46.1	42.5	39.1	24.6	4.7	i	i
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	5.1	44.0	16.0	38.9	36.0	41.0	35.9	33.0	19.5	3.0	i	i
	If FEXT is < 70 dB, not evaluated against the test limit						100	6.5	40.5	16.0	34.0	32.0	37.5	31.0	29.0	16.0	3.0	i	i
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	9.3	35.3	14.3	26.1	25.9	32.3	23.1	22.9	10.9	3.0	i	i
	TCL and ELTCTL values presented are based on screened pairs.						250	10.4	33.6	13.4	23.2	24.0	30.6	20.2	21.0	9.2	3.0	i	i
	If using unscreeened pairs, the values will be greater by 10 dB.						350	12.4	31.1	12.1	18.7	21.1	28.1	15.7	18.1	6.8	3.0	i	i
							450	14.2	29.2	11.1	15.0	18.9	26.2	12.0	15.9	4.9	3.0	i	i
							500	15	28.4	10.7	13.4	18.0	25.4	10.4	15.0	4.1	3.0	i	i
							600	16.5	26.2	10.0	9.6	16.4	23.2	6.6	13.4	3.0	3.0	i	i
							700	18	24.3	9.4	6.3	15.1	21.3	3.3	12.1	3.0	3.0	i	i
							800	19.4	22.5	8.9	3.2	13.9	19.5	0.2	10.9	3.0	3.0	i	i
							900	20.7	21.0	8.4	0.3	12.9	18.0	-2.7	9.9	3.0	3.0	i	i
							1000	22	19.6	8.0	-2.4	12.0	16.6	-5.4	9.0	3.0	3.0	i	i
							1600	28.7	12.9	8.0	-15.8	7.9	9.9	-18.8	4.9	3.0	3.0	i	i
							2000.0	32.7	9.6	6.2	-23.1	5.9	6.6	-26.1	2.9	3	3	i	i

ISO11801 Channel Class I (+PoE)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	6.4	0.2 or 3.0	0.2 or 7.0	None	169	16	1	3	65.0	19.0	62.0	65.0	62.0	59.0	62.0				
3,6 - 3,6							4	3	63.8	19.0	60.8	59.9	60.8	57.8	56.9				
4,5 - 4,5							8	3	58.9	19.0	55.9	53.9	55.9	52.9	50.9				
7,8 - 7,8							10	3	57.3	19.0	54.3	52.0	54.3	51.3	49.0				
							16	3	53.9	18.0	50.9	47.9	50.9	47.9	44.9				
i	Informational measurement only, no limit available						20	3	52.3	17.5	49.3	45.9	49.3	46.3	42.9				
	Not evaluated against the test limit						25	3.2	50.7	17.0	47.5	44.0	47.7	44.5	41.0				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	3.6	49.1	16.5	45.5	42.1	46.1	42.5	39.1				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	5.1	44.0	16.0	38.9	36.0	41.0	35.9	33.0				
	If FEXT is < 70 dB, not evaluated against the test limit						100	6.5	40.5	16.0	34.0	32.0	37.5	31.0	29.0				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	9.3	35.3	14.3	26.1	25.9	32.3	23.1	22.9				
							250	10.4	33.6	13.4	23.2	24.0	30.6	20.2	21.0				
							350	12.4	31.1	12.1	18.7	21.1	28.1	15.7	18.1				
							450	14.2	29.2	11.1	15.0	18.9	26.2	12.0	15.9				
							500	15	28.4	10.7	13.4	18.0	25.4	10.4	15.0				
							600	16.5	26.2	10.0	9.6	16.4	23.2	6.6	13.4				
							700	18	24.3	9.4	6.3	15.1	21.3	3.3	12.1				
							800	19.4	22.5	8.9	3.2	13.9	19.5	0.2	10.9				
							900	20.7	21.0	8.4	0.3	12.9	18.0	-2.7	9.9				
							1000	22	19.6	8.0	-2.4	12.0	16.6	-5.4	9.0				
							1600	28.7	12.9	8.0	-15.8	7.9	9.9	-18.8	4.9				
							2000.0	32.7	9.6	6.2	-23.1	5.9	6.6	-26.1	2.9				

Copper Limit Lines - Class Fa

ISO11801 PL2 Class Fa

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	20.6	None	None	90	496	25	1	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0				
3,6 - 3,6							4	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0				
4,5 - 4,5							8	4.8	65.0	21.0	60.2	65.0	62.0	57.2	62.0				
7,8 - 7,8							10	5.4	65.0	21.0	59.6	65.0	62.0	56.6	62.0				
i	surement only, no limit available						16	6.8	65.0	20.0	58.2	65.0	62.0	55.2	62.0				
							20	7.6	65.0	19.5	57.4	64.5	62.0	54.4	61.5				
	Not evaluated against the test limit						25	8.5	65.0	19.0	56.5	62.5	62.0	53.5	59.5				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	9.5	65.0	18.5	55.5	60.6	62.0	52.5	57.6				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	13.4	65.0	16.0	51.6	54.6	62.0	48.6	51.6				
	If FEXT is < 70 dB, not evaluated against the test limit						100	17.1	65.0	14.0	47.9	50.5	62.0	44.9	47.5				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	24.4	63.5	11.0	39.1	44.5	60.5	36.1	41.5				
	If Insertion Loss @ 900 MHz is < 17 dB, then:						250	27.4	61.7	10.0	34.4	42.5	58.7	31.4	39.5				
							350	32.6	59.0	10.0	26.4	39.6	56.0	23.4	36.6				
							450	37.2	57.0	10.0	19.8	37.4	54.0	16.8	34.4				
							500	39.4	56.2	10.0	16.8	36.5	53.2	13.8	33.5				
							600	43.4	54.7	10.0	11.3	34.9	51.7	8.3	31.9				
							700	47.1	53.0	9.5	6.4	33.6	50.0	3.4	30.6				
							800	50.6	51.5	9.0	1.8	32.4	48.5	-1.2	29.4				
							900	53.9	50.3	8.5	-2.4	31.4	47.3	-5.4	28.4				
							1000	57.0	49.1	8.0	-6.4	30.5	46.1	-9.4	27.5				

Freq.	NEXT	PS NEXT
900	50.3	47.3
1000	46.3	43.3

ISO11801 PL2 Class Fa (+All)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	20.6	0.2 or 3.0	0.2 or 7.0	90	496	25	1	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0	40.0	30.0	i	i
3,6 - 3,6							4	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0	40.0	18.0	i	i
4,5 - 4,5							8	4.8	65.0	21.0	60.2	65.0	62.0	57.2	62.0	39.5	11.9	i	i
7,8 - 7,8							10	5.4	65.0	21.0	59.6	65.0	62.0	56.6	62.0	38.0	10.0	i	i
							16	6.8	65.0	20.0	58.2	65.0	62.0	55.2	62.0	34.9	5.9	i	i
i	Informational measurement only, no limit available						20	7.6	65.0	19.5	57.4	64.5	62.0	54.4	61.5	33.5	4.0	i	i
	Not evaluated against the test limit						25	8.5	65.0	19.0	56.5	62.5	62.0	53.5	59.5	32.0	2.0	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	9.5	65.0	18.5	55.5	60.6	62.0	52.5	57.6	30.4	i	i	i
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	13.4	65.0	16.0	51.6	54.6	62.0	48.6	51.6	24.4	i	i	i
	If FEXT is < 70 dB, not evaluated against the test limit						100	17.1	65.0	14.0	47.9	50.5	62.0	44.9	47.5	20.3	i	i	i
i if shielded	Informational measurement only if using shielded cable						200	24.4	63.5	11.0	39.1	44.5	60.5	36.1	41.5	14.3	i	i	i
	If PS FEXT is < 70 dB, not evaluated against the test limit						250	27.4	61.7	10.0	34.4	42.5	58.7	31.4	39.5	12.3	i	i	i
	If Insertion Loss @ 900 MHz is < 17 dB, then:						350	32.6	59.0	10.0	26.4	39.6	56.0	23.4	36.6	i	i	i	i
							450	37.2	57.0	10.0	19.8	37.4	54.0	16.8	34.4	i	i	i	i
							500	39.4	56.2	10.0	16.8	36.5	53.2	13.8	33.5	i	i	i	i
							600	43.4	54.7	10.0	11.3	34.9	51.7	8.3	31.9	i	i	i	i
							700	47.1	53.0	9.5	6.4	33.6	50.0	3.4	30.6	i	i	i	i
							800	50.6	51.5	9.0	1.8	32.4	48.5	-1.2	29.4	i	i	i	i
							900	53.9	50.3	8.5	-2.4	31.4	47.3	-5.4	28.4	i	i	i	i
							1000	57.0	49.1	8.0	-6.4	30.5	46.1	-9.4	27.5	i	i	i	i

Freq.	NEXT	PS NEXT
900	50.3	47.3
1000	46.3	43.3

ISO11801 PL2 Class Fa (+PoE)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	20.6	0.2 or 3.0	0.2 or 7.0	90	496	25	1	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0				
3,6 - 3,6							4	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0				
4,5 - 4,5							8	4.8	65.0	21.0	60.2	65.0	62.0	57.2	62.0				
7,8 - 7,8							10	5.4	65.0	21.0	59.6	65.0	62.0	56.6	62.0				
							16	6.8	65.0	20.0	58.2	65.0	62.0	55.2	62.0				
i	Informational measurement only, no limit available						20	7.6	65.0	19.5	57.4	64.5	62.0	54.4	61.5				
	Not evaluated against the test limit						25	8.5	65.0	19.0	56.5	62.5	62.0	53.5	59.5				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	9.5	65.0	18.5	55.5	60.6	62.0	52.5	57.6				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	13.4	65.0	16.0	51.6	54.6	62.0	48.6	51.6				
	If FEXT is < 70 dB, not evaluated against the test limit						100	17.1	65.0	14.0	47.9	50.5	62.0	44.9	47.5				
i if shielded	Informational measurement only if using shielded cable						200	24.4	63.5	11.0	39.1	44.5	60.5	36.1	41.5				
	If PS FEXT is < 70 dB, not evaluated against the test limit						250	27.4	61.7	10.0	34.4	42.5	58.7	31.4	39.5				
	If Insertion Loss @ 900 MHz is < 17 dB, then:						350	32.6	59.0	10.0	26.4	39.6	56.0	23.4	36.6				
							450	37.2	57.0	10.0	19.8	37.4	54.0	16.8	34.4				
							500	39.4	56.2	10.0	16.8	36.5	53.2	13.8	33.5				
							600	43.4	54.7	10.0	11.3	34.9	51.7	8.3	31.9				
							700	47.1	53.0	9.5	6.4	33.6	50.0	3.4	30.6				
							800	50.6	51.5	9.0	1.8	32.4	48.5	-1.2	29.4				
							900	53.9	50.3	8.5	-2.4	31.4	47.3	-5.4	28.4				
							1000	57.0	49.1	8.0	-6.4	30.5	46.1	-9.4	27.5				

Freq.	NEXT	PS NEXT
900	50.3	47.3
1000	46.3	43.3

ISO11801 PL3 Class Fa

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21	None	None	90	498	26	1	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0				
3,6 - 3,6							4	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0				
4,5 - 4,5							8	4.9	65.0	21.0	60.1	65.0	62.0	57.1	62.0				
7,8 - 7,8							10	5.4	65.0	21.0	59.6	65.0	62.0	56.6	62.0				
							16	6.8	65.0	20.0	58.2	64.7	62.0	55.2	61.7				
							20	7.7	65.0	19.5	57.3	62.8	62.0	54.3	59.8				
	Not evaluated against the test limit						25	8.6	65.0	19.0	56.4	60.8	62.0	53.4	57.8				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	9.6	65.0	18.5	55.4	58.9	62.0	52.4	55.9				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	13.6	65.0	16.0	51.4	52.9	62.0	48.4	49.9				
	If FEXT is < 70 dB, not evaluated against the test limit						100	17.3	65.0	14.0	47.7	48.8	62.0	44.7	45.8				
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	24.7	63.5	11.0	38.9	42.8	60.5	35.9	39.8				
							250	27.7	61.7	10.0	34.0	40.8	58.7	31.0	37.8				
							350	33.0	59.0	10.0	26.0	37.9	56.0	23.0	34.9				
							450	37.7	57.0	10.0	19.3	35.7	54.0	16.3	32.7				
							500	39.8	56.2	10.0	16.3	34.8	53.2	13.3	31.8				
							600	43.9	54.7	10.0	10.8	33.2	51.7	7.8	30.2				
							700	47.6	52.6	9.5	5.9	31.9	49.6	2.9	28.9				
							800	51.1	50.9	9.0	1.3	30.7	47.9	-1.7	27.7				
							900	54.5	49.3	8.5	-3.0	29.7	46.3	-6.0	26.7				
							1000	57.6	47.9	8.0	-7.0	28.8	44.9	-10.0	25.8				

ISO11801 PL3 Class Fa (+All)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21	0.2 or 3.0	0.2 or 7.0	90	498	26	1	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0	40.0	30.0	i	i
3,6 - 3,6							4	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0	40.0	18.0	i	i
4,5 - 4,5							8	4.9	65.0	21.0	60.1	65.0	62.0	57.1	62.0	39.5	11.9	i	i
7,8 - 7,8							10	5.4	65.0	21.0	59.6	65.0	62.0	56.6	62.0	38.0	10.0	i	i
							16	6.8	65.0	20.0	58.2	64.7	62.0	55.2	61.7	34.9	5.9	i	i
i	Informational measurement only, no limit available						20	7.7	65.0	19.5	57.3	62.8	62.0	54.3	59.8	33.5	4.0	i	i
	Not evaluated against the test limit						25	8.6	65.0	19.0	56.4	60.8	62.0	53.4	57.8	32.0	2.0	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	9.6	65.0	18.5	55.4	58.9	62.0	52.4	55.9	30.4	i	i	i
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	13.6	65.0	16.0	51.4	52.9	62.0	48.4	49.9	24.4	i	i	i
PAIR_4:	If FEXT is < 70 dB, not evaluated against the test limit						100	17.3	65.0	14.0	47.7	48.8	62.0	44.7	45.8	20.3	i	i	i
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	24.7	63.5	11.0	38.9	42.8	60.5	35.9	39.8	14.3	i	i	i
i if shielded	Informational measurement only if using shielded cable						250	27.7	61.7	10.0	34.0	40.8	58.7	31.0	37.8	12.3	i	i	i
	If Insertion Loss @ 900 MHz is < 17 dB, then:						350	33.0	59.0	10.0	26.0	37.9	56.0	23.0	34.9	i	i	i	i
							450	37.7	57.0	10.0	19.3	35.7	54.0	16.3	32.7	i	i	i	i
							500	39.8	56.2	10.0	16.3	34.8	53.2	13.3	31.8	i	i	i	i
							600	43.9	54.7	10.0	10.8	33.2	51.7	7.8	30.2	i	i	i	i
							700	47.6	52.6	9.5	5.9	31.9	49.6	2.9	28.9	i	i	i	i
							800	51.1	50.9	9.0	1.3	30.7	47.9	-1.7	27.7	i	i	i	i
							900	54.5	49.3	8.5	-3.0	29.7	46.3	-6.0	26.7	i	i	i	i
							1000	57.6	47.9	8.0	-7.0	28.8	44.9	-10.0	25.8	i	i	i	i

Freq.	NEXT	PS NEXT
900	48.8	45.8
1000	45.1	42.1

ISO11801 PL3 Class Fa (+PoE)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21	0.2 or 3.0	0.2 or 7.0	90	498	26	1	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0				
3,6 - 3,6							4	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0				
4,5 - 4,5							8	4.9	65.0	21.0	60.1	65.0	62.0	57.1	62.0				
7,8 - 7,8							10	5.4	65.0	21.0	59.6	65.0	62.0	56.6	62.0				
							16	6.8	65.0	20.0	58.2	64.7	62.0	55.2	61.7				
							20	7.7	65.0	19.5	57.3	62.8	62.0	54.3	59.8				
	Not evaluated against the test limit						25	8.6	65.0	19.0	56.4	60.8	62.0	53.4	57.8				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	9.6	65.0	18.5	55.4	58.9	62.0	52.4	55.9				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	13.6	65.0	16.0	51.4	52.9	62.0	48.4	49.9				
	If FEXT is < 70 dB, not evaluated against the test limit						100	17.3	65.0	14.0	47.7	48.8	62.0	44.7	45.8				
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	24.7	63.5	11.0	38.9	42.8	60.5	35.9	39.8				
	If Insertion Loss @ 900 MHz is < 17 dB, then:						250	27.7	61.7	10.0	34.0	40.8	58.7	31.0	37.8				
							350	33.0	59.0	10.0	26.0	37.9	56.0	23.0	34.9				
							450	37.7	57.0	10.0	19.3	35.7	54.0	16.3	32.7				
							500	39.8	56.2	10.0	16.3	34.8	53.2	13.3	31.8				
							600	43.9	54.7	10.0	10.8	33.2	51.7	7.8	30.2				
							700	47.6	52.6	9.5	5.9	31.9	49.6	2.9	28.9				
							800	51.1	50.9	9.0	1.3	30.7	47.9	-1.7	27.7				
							900	54.5	49.3	8.5	-3.0	29.7	46.3	-6.0	26.7				
							1000	57.6	47.9	8.0	-7.0	28.8	44.9	-10.0	25.8				

Freq.	NEXT	PS NEXT
900	48.8	45.8
1000	45.1	42.1

ISO11801 Channel Class Fa

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	None	None	100	555	30	1	4.0	65.0	19.0	61.0	65.0	62.0	58.0	62.0				
3,6 - 3,6							4	4.1	65.0	19.0	60.9	65.0	62.0	57.9	62.0				
4,5 - 4,5							8	5.7	65.0	19.0	59.3	65.0	62.0	56.3	62.0				
7,8 - 7,8							10	6.4	65.0	19.0	58.6	65.0	62.0	55.6	62.0				
							16	8.0	65.0	18.0	57.0	63.3	62.0	54.0	60.3				
							20	9.0	65.0	17.5	56.0	61.4	62.0	53.0	58.4				
	Not evaluated against the test limit						25	10.0	65.0	17.0	55.0	59.4	62.0	52.0	56.4				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	11.2	65.0	16.5	53.8	57.5	62.0	50.8	54.5				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	15.9	65.0	14.0	49.1	51.5	62.0	46.1	48.5				
	If FEXT is < 70 dB, not evaluated against the test limit						100	20.3	65.0	12.0	44.7	47.4	62.0	41.7	44.4				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	28.9	60.9	9.0	32.0	41.4	57.9	29.0	38.4				
	If Insertion Loss @ 900 MHz is < 17 dB, then:						250	32.5	59.1	8.0	26.7	39.4	56.1	23.7	36.4				
							350	38.7	56.4	8.0	17.7	36.5	53.4	14.7	33.5				
							450	44.2	54.4	8.0	10.2	34.3	51.4	7.2	31.3				
							500	46.7	53.6	8.0	6.9	33.4	50.6	3.9	30.4				
							600	51.4	52.1	8.0	0.7	31.8	49.1	-2.3	28.8				
							700	55.8	50.8	7.5	-5.0	30.5	47.8	-8.0	27.5				
							800	59.9	49.7	7.0	-10.2	29.3	46.7	-13.2	26.3				
							900	63.8	48.8	6.5	-15.1	28.3	45.8	-18.1	25.3				
							1000	67.6	47.9	6.0	-19.6	27.4	44.9	-22.6	24.4				

Freq.	NEXT	PS NEXT
900	48.8	45.8
1000	45.1	42.1

ISO11801 Channel Class Fa (+All)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	0.2 or 3.0	0.2 or 7.0	100	555	30	1	4.0	65.0	19.0	61.0	65.0	62.0	58.0	62.0	40.0	30.0	i	i
3,6 - 3,6							4	4.1	65.0	19.0	60.9	65.0	62.0	57.9	62.0	40.0	18.0	i	i
4,5 - 4,5							8	5.7	65.0	19.0	59.3	65.0	62.0	56.3	62.0	39.5	11.9	i	i
7,8 - 7,8							10	6.4	65.0	19.0	58.6	65.0	62.0	55.6	62.0	38.0	10.0	i	i
							16	8.0	65.0	18.0	57.0	63.3	62.0	54.0	60.3	34.9	5.9	i	i
	Not evaluated against the test limit						20	9.0	65.0	17.5	56.0	61.4	62.0	53.0	58.4	33.5	4.0	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	10.0	65.0	17.0	55.0	59.4	62.0	52.0	56.4	32.0	2.0	i	i
	If Insertion Loss < 4 dB, not evaluated against the test limit						31.25	11.2	65.0	16.5	53.8	57.5	62.0	50.8	54.5	30.4	i	i	i
	If FEXT is < 70 dB, not evaluated against the test limit						62.5	15.9	65.0	14.0	49.1	51.5	62.0	46.1	48.5	24.4	i	i	i
	If PS FEXT is < 67 dB, not evaluated against the test limit						100	20.3	65.0	12.0	44.7	47.4	62.0	41.7	44.4	20.3	i	i	i
i if shielded	Informational measurement only if using shielded cable						200	28.9	60.9	9.0	32.0	41.4	57.9	29.0	38.4	14.3	i	i	i
	If Insertion Loss @ 900 MHz is < 17 dB, then:						250	32.5	59.1	8.0	26.7	39.4	56.1	23.7	36.4	12.3	i	i	i
							350	38.7	56.4	8.0	17.7	36.5	53.4	14.7	33.5	i	i	i	i
							450	44.2	54.4	8.0	10.2	34.3	51.4	7.2	31.3	i	i	i	i
							500	46.7	53.6	8.0	6.9	33.4	50.6	3.9	30.4	i	i	i	i
							600	51.4	52.1	8.0	0.7	31.8	49.1	-2.3	28.8	i	i	i	i
							700	55.8	50.8	7.5	-5.0	30.5	47.8	-8.0	27.5	i	i	i	i
							800	59.9	49.7	7.0	-10.2	29.3	46.7	-13.2	26.3	i	i	i	i
							900	63.8	48.8	6.5	-15.1	28.3	45.8	-18.1	25.3	i	i	i	i
							1000	67.6	47.9	6.0	-19.6	27.4	44.9	-22.6	24.4	i	i	i	i

Freq.	NEXT	PS NEXT
900	48.8	45.8
1000	45.1	42.1

ISO11801 Channel Class Fa (+PoE)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	0.2 or 3.0	0.2 or 7.0	100	555	30	1	4.0	65.0	19.0	61.0	65.0	62.0	58.0	62.0				
3,6 - 3,6							4	4.1	65.0	19.0	60.9	65.0	62.0	57.9	62.0				
4,5 - 4,5							8	5.7	65.0	19.0	59.3	65.0	62.0	56.3	62.0				
7,8 - 7,8							10	6.4	65.0	19.0	58.6	65.0	62.0	55.6	62.0				
							16	8.0	65.0	18.0	57.0	63.3	62.0	54.0	60.3				
							20	9.0	65.0	17.5	56.0	61.4	62.0	53.0	58.4				
	Not evaluated against the test limit						25	10.0	65.0	17.0	55.0	59.4	62.0	52.0	56.4				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	11.2	65.0	16.5	53.8	57.5	62.0	50.8	54.5				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	15.9	65.0	14.0	49.1	51.5	62.0	46.1	48.5				
	If FEXT is < 70 dB, not evaluated against the test limit						100	20.3	65.0	12.0	44.7	47.4	62.0	41.7	44.4				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	28.9	60.9	9.0	32.0	41.4	57.9	29.0	38.4				
	If Insertion Loss @ 900 MHz is < 17 dB, then:						250	32.5	59.1	8.0	26.7	39.4	56.1	23.7	36.4				
							350	38.7	56.4	8.0	17.7	36.5	53.4	14.7	33.5				
							450	44.2	54.4	8.0	10.2	34.3	51.4	7.2	31.3				
							500	46.7	53.6	8.0	6.9	33.4	50.6	3.9	30.4				
							600	51.4	52.1	8.0	0.7	31.8	49.1	-2.3	28.8				
							700	55.8	50.8	7.5	-5.0	30.5	47.8	-8.0	27.5				
							800	59.9	49.7	7.0	-10.2	29.3	46.7	-13.2	26.3				
							900	63.8	48.8	6.5	-15.1	28.3	45.8	-18.1	25.3				
							1000	67.6	47.9	6.0	-19.6	27.4	44.9	-22.6	24.4				

Freq.	NEXT	PS NEXT
900	48.8	45.8
1000	45.1	42.1

ISO11801 PL2 Class Fa (600 MHz)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	20.6	None	None	90	496	25	1	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0				
3,6 - 3,6							4	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0				
4,5 - 4,5							8	4.8	65.0	21.0	60.2	65.0	62.0	57.2	62.0				
7,8 - 7,8							10	5.4	65.0	21.0	59.6	65.0	62.0	56.6	62.0				
							16	6.8	65.0	20.0	58.2	65.0	62.0	55.2	62.0				
							20	7.6	65.0	19.5	57.4	64.5	62.0	54.4	61.5				
	Not evaluated against the test limit						25	8.5	65.0	19.0	56.5	62.5	62.0	53.5	59.5				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	9.5	65.0	18.5	55.5	60.6	62.0	52.5	57.6				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	13.4	65.0	16.0	51.6	54.6	62.0	48.6	51.6				
	If FEXT is < 70 dB, not evaluated against the test limit						100	17.1	65.0	14.0	47.9	50.5	62.0	44.9	47.5				
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	24.4	63.5	11.0	39.1	44.5	60.5	36.1	41.5				
							250	27.4	61.7	10.0	34.4	42.5	58.7	31.4	39.5				
							350	32.6	59.0	10.0	26.4	39.6	56.0	23.4	36.6				
							450	37.2	57.0	10.0	19.8	37.4	54.0	16.8	34.4				
							500	39.4	56.2	10.0	16.8	36.5	53.2	13.8	33.5				
							600	43.4	54.7	10.0	11.3	34.9	51.7	8.3	31.9				
							700	i	i	i	i	i	i	i	i				
							800	i	i	i	i	i	i	i	i				
							900	i	i	i	i	i	i	i	i				
							1000	i	i	i	i	i	i	i	i				

ISO11801 PL2 Class Fa (600 MHz) (+All)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	20.6	0.2 or 3.0	0.2 or 7.0	90	496	25	1	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0	40.0	30.0	i	i
3,6 - 3,6							4	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0	40.0	18.0	i	i
4,5 - 4,5							8	4.8	65.0	21.0	60.2	65.0	62.0	57.2	62.0	39.5	11.9	i	i
7,8 - 7,8							10	5.4	65.0	21.0	59.6	65.0	62.0	56.6	62.0	38.0	10.0	i	i
							16	6.8	65.0	20.0	58.2	65.0	62.0	55.2	62.0	34.9	5.9	i	i
	Not evaluated against the test limit						20	7.6	65.0	19.5	57.4	64.5	62.0	54.4	61.5	33.5	4.0	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	8.5	65.0	19.0	56.5	62.5	62.0	53.5	59.5	32.0	2.0	i	i
	If Insertion Loss < 4 dB, not evaluated against the test limit						31.25	9.5	65.0	18.5	55.5	60.6	62.0	52.5	57.6	30.4	i	i	i
	If FEXT is < 70 dB, not evaluated against the test limit						62.5	13.4	65.0	16.0	51.6	54.6	62.0	48.6	51.6	24.4	i	i	i
	If PS FEXT is < 70 dB, not evaluated against the test limit						100	17.1	65.0	14.0	47.9	50.5	62.0	44.9	47.5	20.3	i	i	i
i if shielded	Informational measurement only if using shielded cable						200	24.4	63.5	11.0	39.1	44.5	60.5	36.1	41.5	14.3	i	i	i
							250	27.4	61.7	10.0	34.4	42.5	58.7	31.4	39.5	12.3	i	i	i
							350	32.6	59.0	10.0	26.4	39.6	56.0	23.4	36.6	i	i	i	i
							450	37.2	57.0	10.0	19.8	37.4	54.0	16.8	34.4	i	i	i	i
							500	39.4	56.2	10.0	16.8	36.5	53.2	13.8	33.5	i	i	i	i
							600	43.4	54.7	10.0	11.3	34.9	51.7	8.3	31.9	i	i	i	i
							700	i	i	i	i	i	i	i	i	i	i	i	i
							800	i	i	i	i	i	i	i	i	i	i	i	i
							900	i	i	i	i	i	i	i	i	i	i	i	i
							1000	i	i	i	i	i	i	i	i	i	i	i	i

ISO11801 PL2 Class Fa (600 MHz) (+PoE)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	20.6	0.2 or 3.0	0.2 or 7.0	90	496	25	1	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0				
3,6 - 3,6							4	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0				
4,5 - 4,5							8	4.8	65.0	21.0	60.2	65.0	62.0	57.2	62.0				
7,8 - 7,8							10	5.4	65.0	21.0	59.6	65.0	62.0	56.6	62.0				
							16	6.8	65.0	20.0	58.2	65.0	62.0	55.2	62.0				
i	Informational measurement only, no limit available						20	7.6	65.0	19.5	57.4	64.5	62.0	54.4	61.5				
	Not evaluated against the test limit						25	8.5	65.0	19.0	56.5	62.5	62.0	53.5	59.5				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	9.5	65.0	18.5	55.5	60.6	62.0	52.5	57.6				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	13.4	65.0	16.0	51.6	54.6	62.0	48.6	51.6				
	If FEXT is < 70 dB, not evaluated against the test limit						100	17.1	65.0	14.0	47.9	50.5	62.0	44.9	47.5				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	24.4	63.5	11.0	39.1	44.5	60.5	36.1	41.5				
							250	27.4	61.7	10.0	34.4	42.5	58.7	31.4	39.5				
							350	32.6	59.0	10.0	26.4	39.6	56.0	23.4	36.6				
							450	37.2	57.0	10.0	19.8	37.4	54.0	16.8	34.4				
							500	39.4	56.2	10.0	16.8	36.5	53.2	13.8	33.5				
							600	43.4	54.7	10.0	11.3	34.9	51.7	8.3	31.9				
							700	i	i	i	i	i	i	i	i				
							800	i	i	i	i	i	i	i	i				
							900	i	i	i	i	i	i	i	i				
							1000	i	i	i	i	i	i	i	i				

ISO11801 PL3 Class Fa (600 MHz)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21	None	None	90	498	26	1	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0				
3,6 - 3,6							4	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0				
4,5 - 4,5							8	4.9	65.0	21.0	60.1	65.0	62.0	57.1	62.0				
7,8 - 7,8							10	5.4	65.0	21.0	59.6	65.0	62.0	56.6	62.0				
							16	6.8	65.0	20.0	58.2	64.7	62.0	55.2	61.7				
i	Informational measurement only, no limit available						20	7.7	65.0	19.5	57.3	62.8	62.0	54.3	59.8				
	Not evaluated against the test limit						25	8.6	65.0	19.0	56.4	60.8	62.0	53.4	57.8				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	9.6	65.0	18.5	55.4	58.9	62.0	52.4	55.9				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	13.6	65.0	16.0	51.4	52.9	62.0	48.4	49.9				
	If FEXT is < 70 dB, not evaluated against the test limit						100	17.3	65.0	14.0	47.7	48.8	62.0	44.7	45.8				
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	24.7	63.5	11.0	38.9	42.8	60.5	35.9	39.8				
							250	27.7	61.7	10.0	34.0	40.8	58.7	31.0	37.8				
							350	33.0	59.0	10.0	26.0	37.9	56.0	23.0	34.9				
							450	37.7	57.0	10.0	19.3	35.7	54.0	16.3	32.7				
							500	39.8	56.2	10.0	16.3	34.8	53.2	13.3	31.8				
							600	43.9	54.7	10.0	10.8	33.2	51.7	7.8	30.2				
							700	i	i	i	i	i	i	i	i				
							800	i	i	i	i	i	i	i	i				
							900	i	i	i	i	i	i	i	i				
							1000	i	i	i	i	i	i	i	i				

ISO11801 PL3 Class Fa (600 MHz) (+All)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21	0.2 or 3.0	0.2 or 7.0	90	498	26	1	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0	40.0	30.0	i	i
3,6 - 3,6							4	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0	40.0	18.0	i	i
4,5 - 4,5							8	4.9	65.0	21.0	60.1	65.0	62.0	57.1	62.0	39.5	11.9	i	i
7,8 - 7,8							10	5.4	65.0	21.0	59.6	65.0	62.0	56.6	62.0	38.0	10.0	i	i
							16	6.8	65.0	20.0	58.2	64.7	62.0	55.2	61.7	34.9	5.9	i	i
i	Informational measurement only, no limit available						20	7.7	65.0	19.5	57.3	62.8	62.0	54.3	59.8	33.5	4.0	i	i
	Not evaluated against the test limit						25	8.6	65.0	19.0	56.4	60.8	62.0	53.4	57.8	32.0	2.0	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	9.6	65.0	18.5	55.4	58.9	62.0	52.4	55.9	30.4	i	i	i
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	13.6	65.0	16.0	51.4	52.9	62.0	48.4	49.9	24.4	i	i	i
	If FEXT is < 70 dB, not evaluated against the test limit						100	17.3	65.0	14.0	47.7	48.8	62.0	44.7	45.8	20.3	i	i	i
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	24.7	63.5	11.0	38.9	42.8	60.5	35.9	39.8	14.3	i	i	i
i if shielded	Informational measurement only if using shielded						250	27.7	61.7	10.0	34.0	40.8	58.7	31.0	37.8	12.3	i	i	i
							350	33.0	59.0	10.0	26.0	37.9	56.0	23.0	34.9	i	i	i	i
							450	37.7	57.0	10.0	19.3	35.7	54.0	16.3	32.7	i	i	i	i
							500	39.8	56.2	10.0	16.3	34.8	53.2	13.3	31.8	i	i	i	i
							600	43.9	54.7	10.0	10.8	33.2	51.7	7.8	30.2	i	i	i	i
							700	i	i	i	i	i	i	i	i	i	i	i	i
							800	i	i	i	i	i	i	i	i	i	i	i	i
							900	i	i	i	i	i	i	i	i	i	i	i	i
							1000	i	i	i	i	i	i	i	i	i	i	i	i

ISO11801 PL3 Class Fa (600 MHz) (+PoE)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21	0.2 or 3.0	0.2 or 7.0	90	498	26	1	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0				
3,6 - 3,6							4	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0				
4,5 - 4,5							8	4.9	65.0	21.0	60.1	65.0	62.0	57.1	62.0				
7,8 - 7,8							10	5.4	65.0	21.0	59.6	65.0	62.0	56.6	62.0				
							16	6.8	65.0	20.0	58.2	64.7	62.0	55.2	61.7				
i	Informational measurement only, no limit available						20	7.7	65.0	19.5	57.3	62.8	62.0	54.3	59.8				
	Not evaluated against the test limit						25	8.6	65.0	19.0	56.4	60.8	62.0	53.4	57.8				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	9.6	65.0	18.5	55.4	58.9	62.0	52.4	55.9				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	13.6	65.0	16.0	51.4	52.9	62.0	48.4	49.9				
	If FEXT is < 70 dB, not evaluated against the test limit						100	17.3	65.0	14.0	47.7	48.8	62.0	44.7	45.8				
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	24.7	63.5	11.0	38.9	42.8	60.5	35.9	39.8				
							250	27.7	61.7	10.0	34.0	40.8	58.7	31.0	37.8				
							350	33.0	59.0	10.0	26.0	37.9	56.0	23.0	34.9				
							450	37.7	57.0	10.0	19.3	35.7	54.0	16.3	32.7				
							500	39.8	56.2	10.0	16.3	34.8	53.2	13.3	31.8				
							600	43.9	54.7	10.0	10.8	33.2	51.7	7.8	30.2				
							700	i	i	i	i	i	i	i	i				
							800	i	i	i	i	i	i	i	i				
							900	i	i	i	i	i	i	i	i				
							1000	i	i	i	i	i	i	i	i				

ISO11801 Channel Class Fa (600 MHz)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	None	None	100	555	30	1	4.0	65.0	19.0	61.0	65.0	62.0	58.0	62.0				
3,6 - 3,6							4	4.1	65.0	19.0	60.9	65.0	62.0	57.9	62.0				
4,5 - 4,5							8	5.7	65.0	19.0	59.3	65.0	62.0	56.3	62.0				
7,8 - 7,8							10	6.4	65.0	19.0	58.6	65.0	62.0	55.6	62.0				
							16	8.0	65.0	18.0	57.0	63.3	62.0	54.0	60.3				
i	Informational measurement only, no limit available						20	9.0	65.0	17.5	56.0	61.4	62.0	53.0	58.4				
	Not evaluated against the test limit						25	10.0	65.0	17.0	55.0	59.4	62.0	52.0	56.4				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	11.2	65.0	16.5	53.8	57.5	62.0	50.8	54.5				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	15.9	65.0	14.0	49.1	51.5	62.0	46.1	48.5				
	If FEXT is < 70 dB, not evaluated against the test limit						100	20.3	65.0	12.0	44.7	47.4	62.0	41.7	44.4				
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	28.9	60.9	9.0	32.0	41.4	57.9	29.0	38.4				
							250	32.5	59.1	8.0	26.7	39.4	56.1	23.7	36.4				
							350	38.7	56.4	8.0	17.7	36.5	53.4	14.7	33.5				
							450	44.2	54.4	8.0	10.2	34.3	51.4	7.2	31.3				
							500	46.7	53.6	8.0	6.9	33.4	50.6	3.9	30.4				
							600	51.4	52.1	8.0	0.7	31.8	49.1	-2.3	28.8				
							700	i	i	i	i	i	i	i	i				
							800	i	i	i	i	i	i	i	i				
							900	i	i	i	i	i	i	i	i				
							1000	i	i	i	i	i	i	i	i				

ISO11801 Channel Class Fa (600 MHz) (+All)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	0.2 or 3.0	0.2 or 7.0	100	555	30	1	4.0	65.0	19.0	61.0	65.0	62.0	58.0	62.0	40.0	30.0	i	i
3,6 - 3,6							4	4.1	65.0	19.0	60.9	65.0	62.0	57.9	62.0	40.0	18.0	i	i
4,5 - 4,5							8	5.7	65.0	19.0	59.3	65.0	62.0	56.3	62.0	39.5	11.9	i	i
7,8 - 7,8							10	6.4	65.0	19.0	58.6	65.0	62.0	55.6	62.0	38.0	10.0	i	i
							16	8.0	65.0	18.0	57.0	63.3	62.0	54.0	60.3	34.9	5.9	i	i
i	Informational measurement only, no limit available						20	9.0	65.0	17.5	56.0	61.4	62.0	53.0	58.4	33.5	4.0	i	i
	Not evaluated against the test limit						25	10.0	65.0	17.0	55.0	59.4	62.0	52.0	56.4	32.0	2.0	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	11.2	65.0	16.5	53.8	57.5	62.0	50.8	54.5	30.4	i	i	i
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	15.9	65.0	14.0	49.1	51.5	62.0	46.1	48.5	24.4	i	i	i
	If FEXT is < 70 dB, not evaluated against the test limit						100	20.3	65.0	12.0	44.7	47.4	62.0	41.7	44.4	20.3	i	i	i
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	28.9	60.9	9.0	32.0	41.4	57.9	29.0	38.4	14.3	i	i	i
i if shielded	Informational measurement only if using shielded cable						250	32.5	59.1	8.0	26.7	39.4	56.1	23.7	36.4	12.3	i	i	i
							350	38.7	56.4	8.0	17.7	36.5	53.4	14.7	33.5	i	i	i	i
							450	44.2	54.4	8.0	10.2	34.3	51.4	7.2	31.3	i	i	i	i
							500	46.7	53.6	8.0	6.9	33.4	50.6	3.9	30.4	i	i	i	i
							600	51.4	52.1	8.0	0.7	31.8	49.1	-2.3	28.8	i	i	i	i
							700	i	i	i	i	i	i	i	i	i	i	i	i
							800	i	i	i	i	i	i	i	i	i	i	i	i
							900	i	i	i	i	i	i	i	i	i	i	i	i
							1000	i	i	i	i	i	i	i	i	i	i	i	i

ISO11801 Channel Class Fa (600 MHz) (+PoE)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	0.2 or 3.0	0.2 or 7.0	100	555	30	1	4.0	65.0	19.0	61.0	65.0	62.0	58.0	62.0				
3,6 - 3,6							4	4.1	65.0	19.0	60.9	65.0	62.0	57.9	62.0				
4,5 - 4,5							8	5.7	65.0	19.0	59.3	65.0	62.0	56.3	62.0				
7,8 - 7,8							10	6.4	65.0	19.0	58.6	65.0	62.0	55.6	62.0				
							16	8.0	65.0	18.0	57.0	63.3	62.0	54.0	60.3				
i	Informational measurement only, no limit available						20	9.0	65.0	17.5	56.0	61.4	62.0	53.0	58.4				
	Not evaluated against the test limit						25	10.0	65.0	17.0	55.0	59.4	62.0	52.0	56.4				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	11.2	65.0	16.5	53.8	57.5	62.0	50.8	54.5				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	15.9	65.0	14.0	49.1	51.5	62.0	46.1	48.5				
	If FEXT is < 70 dB, not evaluated against the test limit						100	20.3	65.0	12.0	44.7	47.4	62.0	41.7	44.4				
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	28.9	60.9	9.0	32.0	41.4	57.9	29.0	38.4				
							250	32.5	59.1	8.0	26.7	39.4	56.1	23.7	36.4				
							350	38.7	56.4	8.0	17.7	36.5	53.4	14.7	33.5				
							450	44.2	54.4	8.0	10.2	34.3	51.4	7.2	31.3				
							500	46.7	53.6	8.0	6.9	33.4	50.6	3.9	30.4				
							600	51.4	52.1	8.0	0.7	31.8	49.1	-2.3	28.8				
							700	i	i	i	i	i	i	i	i				
							800	i	i	i	i	i	i	i	i				
							900	i	i	i	i	i	i	i	i				
							1000	i	i	i	i	i	i	i	i				

ISO11801 PL2 Class Fa (+All_UTP)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	20.6	0.2 or 3.0	0.2 or 7.0	90	496	25	1	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0	40.0	30.0	i	i
3,6 - 3,6							4	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0	40.0	18.0	i	i
4,5 - 4,5							8	4.8	65.0	21.0	60.2	65.0	62.0	57.2	62.0	39.5	11.9	i	i
7,8 - 7,8							10	5.4	65.0	21.0	59.6	65.0	62.0	56.6	62.0	38.0	10.0	i	i
							16	6.8	65.0	20.0	58.2	65.0	62.0	55.2	62.0	34.9	5.9	i	i
i	Informational measurement only, no limit available						20	7.6	65.0	19.5	57.4	64.5	62.0	54.4	61.5	33.5	4.0	i	i
	Not evaluated against the test limit						25	8.5	65.0	19.0	56.5	62.5	62.0	53.5	59.5	32.0	2.0	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	9.5	65.0	18.5	55.5	60.6	62.0	52.5	57.6	30.4	i	i	i
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	13.4	65.0	16.0	51.6	54.6	62.0	48.6	51.6	24.4	i	i	i
	If FEXT is < 70 dB, not evaluated against the test limit						100	17.1	65.0	14.0	47.9	50.5	62.0	44.9	47.5	20.3	i	i	i
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	24.4	63.5	11.0	39.1	44.5	60.5	36.1	41.5	14.3	i	i	i
	If Insertion Loss @ 900 MHz is < 17 dB, then:						250	27.4	61.7	10.0	34.4	42.5	58.7	31.4	39.5	12.3	i	i	i
							350	32.6	59.0	10.0	26.4	39.6	56.0	23.4	36.6	i	i	i	i
							450	37.2	57.0	10.0	19.8	37.4	54.0	16.8	34.4	i	i	i	i
							500	39.4	56.2	10.0	16.8	36.5	53.2	13.8	33.5	i	i	i	i
							600	43.4	54.7	10.0	11.3	34.9	51.7	8.3	31.9	i	i	i	i
							700	47.1	53.0	9.5	6.4	33.6	50.0	3.4	30.6	i	i	i	i
							800	50.6	51.5	9.0	1.8	32.4	48.5	-1.2	29.4	i	i	i	i
							900	53.9	50.3	8.5	-2.4	31.4	47.3	-5.4	28.4	i	i	i	i
							1000	57.0	49.1	8.0	-6.4	30.5	46.1	-9.4	27.5	i	i	i	i

Freq.	NEXT	PS NEXT
900	48.8	45.8
1000	45.1	42.1

ISO11801 PL2 Class Fa (600 MHz) (+All_UTP)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	20.6	0.2 or 3.0	0.2 or 7.0	90	496	25	1	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0	40.0	30.0	i	i
3,6 - 3,6							4	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0	40.0	18.0	i	i
4,5 - 4,5							8	4.8	65.0	21.0	60.2	65.0	62.0	57.2	62.0	39.5	11.9	i	i
7,8 - 7,8							10	5.4	65.0	21.0	59.6	65.0	62.0	56.6	62.0	38.0	10.0	i	i
							16	6.8	65.0	20.0	58.2	65.0	62.0	55.2	62.0	34.9	5.9	i	i
i	Informational measurement only, no limit available						20	7.6	65.0	19.5	57.4	64.5	62.0	54.4	61.5	33.5	4.0	i	i
	Not evaluated against the test limit						25	8.5	65.0	19.0	56.5	62.5	62.0	53.5	59.5	32.0	2.0	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	9.5	65.0	18.5	55.5	60.6	62.0	52.5	57.6	30.4	i	i	i
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	13.4	65.0	16.0	51.6	54.6	62.0	48.6	51.6	24.4	i	i	i
	If FEXT is < 70 dB, not evaluated against the test limit						100	17.1	65.0	14.0	47.9	50.5	62.0	44.9	47.5	20.3	i	i	i
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	24.4	63.5	11.0	39.1	44.5	60.5	36.1	41.5	14.3	i	i	i
							250	27.4	61.7	10.0	34.4	42.5	58.7	31.4	39.5	12.3	i	i	i
							350	32.6	59.0	10.0	26.4	39.6	56.0	23.4	36.6	i	i	i	i
							450	37.2	57.0	10.0	19.8	37.4	54.0	16.8	34.4	i	i	i	i
							500	39.4	56.2	10.0	16.8	36.5	53.2	13.8	33.5	i	i	i	i
							600	43.4	54.7	10.0	11.3	34.9	51.7	8.3	31.9	i	i	i	i
							700	i	i	i	i	i	i	i	i	i	i	i	i
							800	i	i	i	i	i	i	i	i	i	i	i	i
							900	i	i	i	i	i	i	i	i	i	i	i	i
							1000	i	i	i	i	i	i	i	i	i	i	i	i

ISO11801 PL3 Class Fa (+All_UTP)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21	0.2 or 3.0	0.2 or 7.0	90	498	26	1	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0	40.0	30.0	i	i
3,6 - 3,6							4	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0	40.0	18.0	i	i
4,5 - 4,5							8	4.9	65.0	21.0	60.1	65.0	62.0	57.1	62.0	39.5	11.9	i	i
7,8 - 7,8							10	5.4	65.0	21.0	59.6	65.0	62.0	56.6	62.0	38.0	10.0	i	i
							16	6.8	65.0	20.0	58.2	64.7	62.0	55.2	61.7	34.9	5.9	i	i
i	Informational measurement only, no limit available						20	7.7	65.0	19.5	57.3	62.8	62.0	54.3	59.8	33.5	4.0	i	i
	Not evaluated against the test limit						25	8.6	65.0	19.0	56.4	60.8	62.0	53.4	57.8	32.0	2.0	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	9.6	65.0	18.5	55.4	58.9	62.0	52.4	55.9	30.4	i	i	i
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	13.6	65.0	16.0	51.4	52.9	62.0	48.4	49.9	24.4	i	i	i
	If FEXT is < 70 dB, not evaluated against the test limit						100	17.3	65.0	14.0	47.7	48.8	62.0	44.7	45.8	20.3	i	i	i
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	24.7	63.5	11.0	38.9	42.8	60.5	35.9	39.8	14.3	i	i	i
							250	27.7	61.7	10.0	34.0	40.8	58.7	31.0	37.8	12.3	i	i	i
							350	33.0	59.0	10.0	26.0	37.9	56.0	23.0	34.9	i	i	i	i
							450	37.7	57.0	10.0	19.3	35.7	54.0	16.3	32.7	i	i	i	i
							500	39.8	56.2	10.0	16.3	34.8	53.2	13.3	31.8	i	i	i	i
							600	43.9	54.7	10.0	10.8	33.2	51.7	7.8	30.2	i	i	i	i
							700	i	i	i	i	i	i	i	i	i	i	i	i
							800	i	i	i	i	i	i	i	i	i	i	i	i
							900	i	i	i	i	i	i	i	i	i	i	i	i
							1000	i	i	i	i	i	i	i	i	i	i	i	i

ISO11801 PL3 Class Fa (600 MHz) (+All_UTP)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21	0.2 or 3.0	0.2 or 7.0	90	498	26	1	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0	40.0	30.0	i	i
3,6 - 3,6							4	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0	40.0	18.0	i	i
4,5 - 4,5							8	4.9	65.0	21.0	60.1	65.0	62.0	57.1	62.0	39.5	11.9	i	i
7,8 - 7,8							10	5.4	65.0	21.0	59.6	65.0	62.0	56.6	62.0	38.0	10.0	i	i
							16	6.8	65.0	20.0	58.2	64.7	62.0	55.2	61.7	34.9	5.9	i	i
i	Informational measurement only, no limit available						20	7.7	65.0	19.5	57.3	62.8	62.0	54.3	59.8	33.5	4.0	i	i
	Not evaluated against the test limit						25	8.6	65.0	19.0	56.4	60.8	62.0	53.4	57.8	32.0	2.0	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	9.6	65.0	18.5	55.4	58.9	62.0	52.4	55.9	30.4	i	i	i
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	13.6	65.0	16.0	51.4	52.9	62.0	48.4	49.9	24.4	i	i	i
	If FEXT is < 70 dB, not evaluated against the test limit						100	17.3	65.0	14.0	47.7	48.8	62.0	44.7	45.8	20.3	i	i	i
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	24.7	63.5	11.0	38.9	42.8	60.5	35.9	39.8	14.3	i	i	i
							250	27.7	61.7	10.0	34.0	40.8	58.7	31.0	37.8	12.3	i	i	i
							350	33.0	59.0	10.0	26.0	37.9	56.0	23.0	34.9	i	i	i	i
							450	37.7	57.0	10.0	19.3	35.7	54.0	16.3	32.7	i	i	i	i
							500	39.8	56.2	10.0	16.3	34.8	53.2	13.3	31.8	i	i	i	i
							600	43.9	54.7	10.0	10.8	33.2	51.7	7.8	30.2	i	i	i	i
							700	i	i	i	i	i	i	i	i	i	i	i	i
							800	i	i	i	i	i	i	i	i	i	i	i	i
							900	i	i	i	i	i	i	i	i	i	i	i	i
							1000	i	i	i	i	i	i	i	i	i	i	i	i

ISO11801 Channel Class Fa (+All_UTP)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	0.2 or 3.0	0.2 or 7.0	100	555	30	1	4.0	65.0	19.0	61.0	65.0	62.0	58.0	62.0	40.0	30.0	i	i
3,6 - 3,6							4	4.1	65.0	19.0	60.9	65.0	62.0	57.9	62.0	40.0	18.0	i	i
4,5 - 4,5							8	5.7	65.0	19.0	59.3	65.0	62.0	56.3	62.0	39.5	11.9	i	i
7,8 - 7,8							10	6.4	65.0	19.0	58.6	65.0	62.0	55.6	62.0	38.0	10.0	i	i
							16	8.0	65.0	18.0	57.0	63.3	62.0	54.0	60.3	34.9	5.9	i	i
i	Informational measurement only, no limit available						20	9.0	65.0	17.5	56.0	61.4	62.0	53.0	58.4	33.5	4.0	i	i
	Not evaluated against the test limit						25	10.0	65.0	17.0	55.0	59.4	62.0	52.0	56.4	32.0	2.0	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	11.2	65.0	16.5	53.8	57.5	62.0	50.8	54.5	30.4	i	i	i
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	15.9	65.0	14.0	49.1	51.5	62.0	46.1	48.5	24.4	i	i	i
	If FEXT is < 70 dB, not evaluated against the test limit						100	20.3	65.0	12.0	44.7	47.4	62.0	41.7	44.4	20.3	i	i	i
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	28.9	60.9	9.0	32.0	41.4	57.9	29.0	38.4	14.3	i	i	i
							250	32.5	59.1	8.0	26.7	39.4	56.1	23.7	36.4	12.3	i	i	i
							350	38.7	56.4	8.0	17.7	36.5	53.4	14.7	33.5	i	i	i	i
							450	44.2	54.4	8.0	10.2	34.3	51.4	7.2	31.3	i	i	i	i
							500	46.7	53.6	8.0	6.9	33.4	50.6	3.9	30.4	i	i	i	i
							600	51.4	52.1	8.0	0.7	31.8	49.1	-2.3	28.8	i	i	i	i
							700	55.8	50.8	7.5	-5.0	30.5	47.8	-8.0	27.5	i	i	i	i
							800	59.9	49.7	7.0	-10.2	29.3	46.7	-13.2	26.3	i	i	i	i
							900	63.8	48.8	6.5	-15.1	28.3	45.8	-18.1	25.3	i	i	i	i
							1000	67.6	47.9	6.0	-19.6	27.4	44.9	-22.6	24.4	i	i	i	i

ISO11801 Channel Class Fa (600 MHz) (+All_UTP)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	0.2 or 3.0	0.2 or 7.0	100	555	30	1	4.0	65.0	19.0	61.0	65.0	62.0	58.0	62.0	40.0	30.0	i	i
3,6 - 3,6							4	4.1	65.0	19.0	60.9	65.0	62.0	57.9	62.0	40.0	18.0	i	i
4,5 - 4,5							8	5.7	65.0	19.0	59.3	65.0	62.0	56.3	62.0	39.5	11.9	i	i
7,8 - 7,8							10	6.4	65.0	19.0	58.6	65.0	62.0	55.6	62.0	38.0	10.0	i	i
							16	8.0	65.0	18.0	57.0	63.3	62.0	54.0	60.3	34.9	5.9	i	i
i	Informational measurement only, no limit available						20	9.0	65.0	17.5	56.0	61.4	62.0	53.0	58.4	33.5	4.0	i	i
	Not evaluated against the test limit						25	10.0	65.0	17.0	55.0	59.4	62.0	52.0	56.4	32.0	2.0	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	11.2	65.0	16.5	53.8	57.5	62.0	50.8	54.5	30.4	i	i	i
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	15.9	65.0	14.0	49.1	51.5	62.0	46.1	48.5	24.4	i	i	i
	If FEXT is < 70 dB, not evaluated against the test limit						100	20.3	65.0	12.0	44.7	47.4	62.0	41.7	44.4	20.3	i	i	i
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	28.9	60.9	9.0	32.0	41.4	57.9	29.0	38.4	14.3	i	i	i
							250	32.5	59.1	8.0	26.7	39.4	56.1	23.7	36.4	12.3	i	i	i
							350	38.7	56.4	8.0	17.7	36.5	53.4	14.7	33.5	i	i	i	i
							450	44.2	54.4	8.0	10.2	34.3	51.4	7.2	31.3	i	i	i	i
							500	46.7	53.6	8.0	6.9	33.4	50.6	3.9	30.4	i	i	i	i
							600	51.4	52.1	8.0	0.7	31.8	49.1	-2.3	28.8	i	i	i	i
							700	i	i	i	i	i	i	i	i	i	i	i	i
							800	i	i	i	i	i	i	i	i	i	i	i	i
							900	i	i	i	i	i	i	i	i	i	i	i	i
							1000	i	i	i	i	i	i	i	i	i	i	i	i

Copper Limit Lines - Class F

ISO11801 PL Class F

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21	None	None	90	498	26	1	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0				
3,6 - 3,6							4	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0				
4,5 - 4,5							8	4.9	65.0	21.0	60.1	64.3	62.0	57.1	61.3				
7,8 - 7,8							10	5.5	65.0	21.0	59.5	62.7	62.0	56.5	59.7				
							16	6.9	65.0	20.0	58.1	59.3	62.0	55.1	56.3				
i	Informational measurement only, no limit available						20	7.7	65.0	19.5	57.3	57.7	62.0	54.3	54.7				
	Not evaluated against the test limit						25	8.7	65.0	19.0	56.3	56.1	62.0	53.3	53.1				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	9.7	65.0	18.5	55.3	54.5	62.0	52.3	51.5				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	13.9	65.0	16.0	51.1	49.5	62.0	48.1	46.5				
	If FEXT is < 70 dB, not evaluated against the test limit						100	17.7	65.0	14.0	47.3	46.0	62.0	44.3	43.0				
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	25.6	61.9	11.0	36.3	40.9	58.9	33.3	37.9				
							250	28.8	60.4	10.0	31.6	39.2	57.4	28.6	36.2				
							350	34.6	58.2	10.0	23.6	36.7	55.2	20.6	33.7				
							450	39.7	56.6	10.0	16.9	34.8	53.6	13.9	31.8				
							500	42.1	55.9	10.0	13.8	34.0	52.9	10.8	31.0				
							600	46.6	54.7	10.0	8.1	32.6	51.7	5.1	29.6				
							700	i	i	i	i	i	i	i	i				
							800	i	i	i	i	i	i	i	i				
							900	i	i	i	i	i	i	i	i				
							1000	i	i	i	i	i	i	i	i				

ISO11801 PL Class F (+All)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21	0.2 or 3.0	0.2 or 7.0	90	498	26	1	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0	40.0	30.0	i	i
3,6 - 3,6							4	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0	40.0	18.0	i	i
4,5 - 4,5							8	4.9	65.0	21.0	60.1	64.3	62.0	57.1	61.3	39.5	11.9	i	i
7,8 - 7,8							10	5.5	65.0	21.0	59.5	62.7	62.0	56.5	59.7	38.0	10.0	i	i
							16	6.9	65.0	20.0	58.1	59.3	62.0	55.1	56.3	34.9	5.9	i	i
i	Informational measurement only, no limit available						20	7.7	65.0	19.5	57.3	57.7	62.0	54.3	54.7	33.5	4.0	i	i
	Not evaluated against the test limit						25	8.7	65.0	19.0	56.3	56.1	62.0	53.3	53.1	32.0	2.0	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	9.7	65.0	18.5	55.3	54.5	62.0	52.3	51.5	30.4	i	i	i
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	13.9	65.0	16.0	51.1	49.5	62.0	48.1	46.5	24.4	i	i	i
	If FEXT is < 70 dB, not evaluated against the test limit						100	17.7	65.0	14.0	47.3	46.0	62.0	44.3	43.0	20.3	i	i	i
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	25.6	61.9	11.0	36.3	40.9	58.9	33.3	37.9	14.3	i	i	i
i if shielded	Informational measurement only if using shielded cable						250	28.8	60.4	10.0	31.6	39.2	57.4	28.6	36.2	12.3	i	i	i
							350	34.6	58.2	10.0	23.6	36.7	55.2	20.6	33.7	i	i	i	i
							450	39.7	56.6	10.0	16.9	34.8	53.6	13.9	31.8	i	i	i	i
							500	42.1	55.9	10.0	13.8	34.0	52.9	10.8	31.0	i	i	i	i
							600	46.6	54.7	10.0	8.1	32.6	51.7	5.1	29.6	i	i	i	i
							700	i	i	i	i	i	i	i	i	i	i	i	i
							800	i	i	i	i	i	i	i	i	i	i	i	i
							900	i	i	i	i	i	i	i	i	i	i	i	i
							1000	i	i	i	i	i	i	i	i	i	i	i	i

ISO11801 PL Class F (+PoE)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21	0.2 or 3.0	0.2 or 7.0	90	498	26	1	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0				
3,6 - 3,6							4	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0				
4,5 - 4,5							8	4.9	65.0	21.0	60.1	64.3	62.0	57.1	61.3				
7,8 - 7,8							10	5.5	65.0	21.0	59.5	62.7	62.0	56.5	59.7				
							16	6.9	65.0	20.0	58.1	59.3	62.0	55.1	56.3				
i	Informational measurement only, no limit available						20	7.7	65.0	19.5	57.3	57.7	62.0	54.3	54.7				
	Not evaluated against the test limit						25	8.7	65.0	19.0	56.3	56.1	62.0	53.3	53.1				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	9.7	65.0	18.5	55.3	54.5	62.0	52.3	51.5				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	13.9	65.0	16.0	51.1	49.5	62.0	48.1	46.5				
	If FEXT is < 70 dB, not evaluated against the test limit						100	17.7	65.0	14.0	47.3	46.0	62.0	44.3	43.0				
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	25.6	61.9	11.0	36.3	40.9	58.9	33.3	37.9				
							250	28.8	60.4	10.0	31.6	39.2	57.4	28.6	36.2				
							350	34.6	58.2	10.0	23.6	36.7	55.2	20.6	33.7				
							450	39.7	56.6	10.0	16.9	34.8	53.6	13.9	31.8				
							500	42.1	55.9	10.0	13.8	34.0	52.9	10.8	31.0				
							600	46.6	54.7	10.0	8.1	32.6	51.7	5.1	29.6				
							700	i	i	i	i	i	i	i	i				
							800	i	i	i	i	i	i	i	i				
							900	i	i	i	i	i	i	i	i				
							1000	i	i	i	i	i	i	i	i				

ISO11801 Channel Class F

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	None	None	100	555	30	1	4.0	65.0	19.0	61.0	65.0	62.0	58.0	62.0				
3,6 - 3,6							4	4.1	65.0	19.0	60.9	65.0	62.0	57.9	62.0				
4,5 - 4,5							8	5.7	65.0	19.0	59.3	62.4	62.0	56.3	59.4				
7,8 - 7,8							10	6.4	65.0	19.0	58.6	60.8	62.0	55.6	57.8				
							16	8.1	65.0	18.0	56.9	57.5	62.0	53.9	54.5				
i	Informational measurement only, no limit available						20	9.1	65.0	17.5	55.9	55.9	62.0	52.9	52.9				
	Not evaluated against the test limit						25	10.2	65.0	17.0	54.8	54.4	62.0	51.8	51.4				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	11.4	65.0	16.5	53.6	52.8	62.0	50.6	49.8				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	16.3	65.0	14.0	48.7	47.8	62.0	45.7	44.8				
	If FEXT is < 70 dB, not evaluated against the test limit						100	20.8	62.9	12.0	42.1	44.4	59.9	39.1	41.4				
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	30.0	58.3	9.0	28.4	39.4	55.3	25.4	36.4				
							250	33.8	56.9	8.0	23.1	37.8	53.9	20.1	34.8				
							350	40.5	54.7	8.0	14.2	35.3	51.7	11.2	32.3				
							450	46.5	53.1	8.0	6.5	33.4	50.1	3.5	30.4				
							500	49.3	52.4	8.0	3.1	32.6	49.4	0.1	29.6				
							600	54.6	51.2	8.0	-3.4	31.3	48.2	-6.4	28.3				
							700	i	i	i	i	i	i	i	i				
							800	i	i	i	i	i	i	i	i				
							900	i	i	i	i	i	i	i	i				
							1000	i	i	i	i	i	i	i	i				

ISO11801 Channel Class F (+All)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	0.2 or 3.0	0.2 or 7.0	100	555	30	1	4.0	65.0	19.0	61.0	65.0	62.0	58.0	62.0	40.0	30.0	i	i
3,6 - 3,6							4	4.1	65.0	19.0	60.9	65.0	62.0	57.9	62.0	40.0	18.0	i	i
4,5 - 4,5							8	5.7	65.0	19.0	59.3	62.4	62.0	56.3	59.4	39.5	11.9	i	i
7,8 - 7,8							10	6.4	65.0	19.0	58.6	60.8	62.0	55.6	57.8	38.0	10.0	i	i
							16	8.1	65.0	18.0	56.9	57.5	62.0	53.9	54.5	34.9	5.9	i	i
i	Informational measurement only, no limit available						20	9.1	65.0	17.5	55.9	55.9	62.0	52.9	52.9	33.5	4.0	i	i
	Not evaluated against the test limit						25	10.2	65.0	17.0	54.8	54.4	62.0	51.8	51.4	32.0	2.0	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	11.4	65.0	16.5	53.6	52.8	62.0	50.6	49.8	30.4	i	i	i
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	16.3	65.0	14.0	48.7	47.8	62.0	45.7	44.8	24.4	i	i	i
	If FEXT is < 70 dB, not evaluated against the test limit						100	20.8	62.9	12.0	42.1	44.4	59.9	39.1	41.4	20.3	i	i	i
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	30.0	58.3	9.0	28.4	39.4	55.3	25.4	36.4	14.3	i	i	i
i if shielded	Informational measurement only if using shielded cable						250	33.8	56.9	8.0	23.1	37.8	53.9	20.1	34.8	12.3	i	i	i
							350	40.5	54.7	8.0	14.2	35.3	51.7	11.2	32.3	i	i	i	i
							450	46.5	53.1	8.0	6.5	33.4	50.1	3.5	30.4	i	i	i	i
							500	49.3	52.4	8.0	3.1	32.6	49.4	0.1	29.6	i	i	i	i
							600	54.6	51.2	8.0	-3.4	31.3	48.2	-6.4	28.3	i	i	i	i
							700	i	i	i	i	i	i	i	i	i	i	i	i
							800	i	i	i	i	i	i	i	i	i	i	i	i
							900	i	i	i	i	i	i	i	i	i	i	i	i
							1000	i	i	i	i	i	i	i	i	i	i	i	i

ISO11801 Channel Class F (+PoE)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	0.2 or 3.0	0.2 or 7.0	100	555	30	1	4.0	65.0	19.0	61.0	65.0	62.0	58.0	62.0				
3,6 - 3,6							4	4.1	65.0	19.0	60.9	65.0	62.0	57.9	62.0				
4,5 - 4,5							8	5.7	65.0	19.0	59.3	62.4	62.0	56.3	59.4				
7,8 - 7,8							10	6.4	65.0	19.0	58.6	60.8	62.0	55.6	57.8				
							16	8.1	65.0	18.0	56.9	57.5	62.0	53.9	54.5				
i	Informational measurement only, no limit available						20	9.1	65.0	17.5	55.9	55.9	62.0	52.9	52.9				
	Not evaluated against the test limit						25	10.2	65.0	17.0	54.8	54.4	62.0	51.8	51.4				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	11.4	65.0	16.5	53.6	52.8	62.0	50.6	49.8				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	16.3	65.0	14.0	48.7	47.8	62.0	45.7	44.8				
	If FEXT is < 70 dB, not evaluated against the test limit						100	20.8	62.9	12.0	42.1	44.4	59.9	39.1	41.4				
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	30.0	58.3	9.0	28.4	39.4	55.3	25.4	36.4				
							250	33.8	56.9	8.0	23.1	37.8	53.9	20.1	34.8				
							350	40.5	54.7	8.0	14.2	35.3	51.7	11.2	32.3				
							450	46.5	53.1	8.0	6.5	33.4	50.1	3.5	30.4				
							500	49.3	52.4	8.0	3.1	32.6	49.4	0.1	29.6				
							600	54.6	51.2	8.0	-3.4	31.3	48.2	-6.4	28.3				
							700	i	i	i	i	i	i	i	i				
							800	i	i	i	i	i	i	i	i				
							900	i	i	i	i	i	i	i	i				
							1000	i	i	i	i	i	i	i	i				

ISO11801 PL Class F (+All_UTP)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21	0.2 or 3.0	0.2 or 7.0	90	498	26	1	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0	40.0	30.0	i	i
3,6 - 3,6							4	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0	40.0	18.0	i	i
4,5 - 4,5							8	4.9	65.0	21.0	60.1	64.3	62.0	57.1	61.3	39.5	11.9	i	i
7,8 - 7,8							10	5.5	65.0	21.0	59.5	62.7	62.0	56.5	59.7	38.0	10.0	i	i
							16	6.9	65.0	20.0	58.1	59.3	62.0	55.1	56.3	34.9	5.9	i	i
i	Informational measurement only, no limit available						20	7.7	65.0	19.5	57.3	57.7	62.0	54.3	54.7	33.5	4.0	i	i
	Not evaluated against the test limit						25	8.7	65.0	19.0	56.3	56.1	62.0	53.3	53.1	32.0	2.0	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	9.7	65.0	18.5	55.3	54.5	62.0	52.3	51.5	30.4	i	i	i
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	13.9	65.0	16.0	51.1	49.5	62.0	48.1	46.5	24.4	i	i	i
	If FEXT is < 70 dB, not evaluated against the test limit						100	17.7	65.0	14.0	47.3	46.0	62.0	44.3	43.0	20.3	i	i	i
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	25.6	61.9	11.0	36.3	40.9	58.9	33.3	37.9	14.3	i	i	i
							250	28.8	60.4	10.0	31.6	39.2	57.4	28.6	36.2	12.3	i	i	i
							350	34.6	58.2	10.0	23.6	36.7	55.2	20.6	33.7	i	i	i	i
							450	39.7	56.6	10.0	16.9	34.8	53.6	13.9	31.8	i	i	i	i
							500	42.1	55.9	10.0	13.8	34.0	52.9	10.8	31.0	i	i	i	i
							600	46.6	54.7	10.0	8.1	32.6	51.7	5.1	29.6	i	i	i	i
							700	i	i	i	i	i	i	i	i	i	i	i	i
							800	i	i	i	i	i	i	i	i	i	i	i	i
							900	i	i	i	i	i	i	i	i	i	i	i	i
							1000	i	i	i	i	i	i	i	i	i	i	i	i

ISO11801 Channel Class F (+All_UTP)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	0.2 or 3.0	0.2 or 7.0	100	555	30	1	4.0	65.0	19.0	61.0	65.0	62.0	58.0	62.0	40.0	30.0	i	i
3,6 - 3,6							4	4.1	65.0	19.0	60.9	65.0	62.0	57.9	62.0	40.0	18.0	i	i
4,5 - 4,5							8	5.7	65.0	19.0	59.3	62.4	62.0	56.3	59.4	39.5	11.9	i	i
7,8 - 7,8							10	6.4	65.0	19.0	58.6	60.8	62.0	55.6	57.8	38.0	10.0	i	i
							16	8.1	65.0	18.0	56.9	57.5	62.0	53.9	54.5	34.9	5.9	i	i
i	Informational measurement only, no limit available						20	9.1	65.0	17.5	55.9	55.9	62.0	52.9	52.9	33.5	4.0	i	i
	Not evaluated against the test limit						25	10.2	65.0	17.0	54.8	54.4	62.0	51.8	51.4	32.0	2.0	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	11.4	65.0	16.5	53.6	52.8	62.0	50.6	49.8	30.4	i	i	i
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	16.3	65.0	14.0	48.7	47.8	62.0	45.7	44.8	24.4	i	i	i
	If FEXT is < 70 dB, not evaluated against the test limit						100	20.8	62.9	12.0	42.1	44.4	59.9	39.1	41.4	20.3	i	i	i
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	30.0	58.3	9.0	28.4	39.4	55.3	25.4	36.4	14.3	i	i	i
							250	33.8	56.9	8.0	23.1	37.8	53.9	20.1	34.8	12.3	i	i	i
							350	40.5	54.7	8.0	14.2	35.3	51.7	11.2	32.3	i	i	i	i
							450	46.5	53.1	8.0	6.5	33.4	50.1	3.5	30.4	i	i	i	i
							500	49.3	52.4	8.0	3.1	32.6	49.4	0.1	29.6	i	i	i	i
							600	54.6	51.2	8.0	-3.4	31.3	48.2	-6.4	28.3	i	i	i	i
							700	i	i	i	i	i	i	i	i	i	i	i	i
							800	i	i	i	i	i	i	i	i	i	i	i	i
							900	i	i	i	i	i	i	i	i	i	i	i	i
							1000	i	i	i	i	i	i	i	i	i	i	i	i

Copper Limit Lines - Class Ea

ISO11801 PL2 Class Ea

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	**20.6**	**None**	**None**	90	496	43	1	4.0	65.0	21.0	61.0	65.2	62.0	58.0	62.2				
3,6 - 3,6							4	4.0	64.1	21.0	60.1	53.2	61.8	57.8	50.2				
4,5 - 4,5							8	4.9	59.4	21.0	54.5	47.2	57.0	52.1	44.2				
7,8 - 7,8							10	5.5	57.8	21.0	52.4	45.2	55.5	50.0	42.2				
							16	6.9	54.6	20.0	47.7	41.2	52.2	45.3	38.2				
i	Informational measurement only, no limit available						20	7.7	53.1	19.5	45.3	39.2	50.7	43.0	36.2				
	Not evaluated against the test limit						25	8.6	51.5	19.0	42.9	37.3	49.1	40.5	34.3				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	9.7	50.0	18.5	40.3	35.3	47.5	37.9	32.3				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	13.8	45.1	16.0	31.3	29.3	42.7	28.8	26.3				
	If FEXT is < 70 dB, not evaluated against the test limit						100	17.6	41.8	14.0	24.2	25.2	39.3	21.7	22.2				
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	25.4	36.9	11.0	11.5	19.2	34.3	8.9	16.2				
	If Insertion Loss @ 450 MHz < 12 dB, then:						250	28.6	35.3	10.0	6.7	17.3	32.7	4.1	14.3				
		Freq.	**NEXT**	**PS NEXT**			350	34.3	32.6	8.6	-1.7	14.4	29.9	-4.4	11.4				
		450	30.2	27.4			450	39.3	30.2	8.0	-9.1	12.2	27.4	-11.9	9.2				
		500	27.8	25.0			500	41.6	29.2	8.0	-12.4	11.3	26.4	-15.3	8.3				

ISO11801 PL2 Class Ea (+All)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	20.6	0.2 or 3.0	0.2 or 7.0	90	496	43	1	4.0	65.0	21.0	61.0	65.2	62.0	58.0	62.2	40.0	30.0	i	i
3,6 - 3,6							4	4.0	64.1	21.0	60.1	53.2	61.8	57.8	50.2	40.0	18.0	i	i
4,5 - 4,5							8	4.9	59.4	21.0	54.5	47.2	57.0	52.1	44.2	39.5	11.9	i	i
7,8 - 7,8							10	5.5	57.8	21.0	52.4	45.2	55.5	50.0	42.2	38.0	10.0	i	i
i if shielded	Informational measurement only if using shielded cable						16	6.9	54.6	20.0	47.7	41.2	52.2	45.3	38.2	34.9	5.9	i	i
i	Informational measurement only, no limit available						20	7.7	53.1	19.5	45.3	39.2	50.7	43.0	36.2	33.5	4.0	i	i
	Not evaluated against the test limit						25	8.6	51.5	19.0	42.9	37.3	49.1	40.5	34.3	32.0	2.0	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	9.7	50.0	18.5	40.3	35.3	47.5	37.9	32.3	30.4	i	i	i
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	13.8	45.1	16.0	31.3	29.3	42.7	28.8	26.3	24.4	i	i	i
	If FEXT is < 70 dB, not evaluated against the test limit						100	17.6	41.8	14.0	24.2	25.2	39.3	21.7	22.2	20.3	i	i	i
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	25.4	36.9	11.0	11.5	19.2	34.3	8.9	16.2	14.3	i	i	i
	If Insertion Loss @ 450 MHz < 12 dB, then:						250	28.6	35.3	10.0	6.7	17.3	32.7	4.1	14.3	12.3	i	i	i
		Freq.	**NEXT**	**PS NEXT**			350	34.3	32.6	8.6	-1.7	14.4	29.9	-4.4	11.4	i	i	i	i
		450	30.2	27.4			450	39.3	30.2	8.0	-9.1	12.2	27.4	-11.9	9.2	i	i	i	i
		500	27.8	25.0			500	41.6	29.2	8.0	-12.4	11.3	26.4	-15.3	8.3	i	i	i	i

ISO11801 PL2 Class Ea (+PoE)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss											
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	20.6	0.2 or 3.0	0.2 or 7.0	90	496	43	1	4.0	65.0	21.0	61.0	65.2	62.0	58.0	62.2				
3,6 - 3,6							4	4.0	64.1	21.0	60.1	53.2	61.8	57.8	50.2				
4,5 - 4,5							8	4.9	59.4	21.0	54.5	47.2	57.0	52.1	44.2				
7,8 - 7,8							10	5.5	57.8	21.0	52.4	45.2	55.5	50.0	42.2				
							16	6.9	54.6	20.0	47.7	41.2	52.2	45.3	38.2				
							20	7.7	53.1	19.5	45.3	39.2	50.7	43.0	36.2				
	Not evaluated against the test limit						25	8.6	51.5	19.0	42.9	37.3	49.1	40.5	34.3				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	9.7	50.0	18.5	40.3	35.3	47.5	37.9	32.3				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	13.8	45.1	16.0	31.3	29.3	42.7	28.8	26.3				
	If FEXT is < 70 dB, not evaluated against the test limit						100	17.6	41.8	14.0	24.2	25.2	39.3	21.7	22.2				
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	25.4	36.9	11.0	11.5	19.2	34.3	8.9	16.2				
							250	28.6	35.3	10.0	6.7	17.3	32.7	4.1	14.3				
							350	34.3	32.6	8.6	-1.7	14.4	29.9	-4.4	11.4				
							450	39.3	30.2	8.0	-9.1	12.2	27.4	-11.9	9.2				
							500	41.6	29.2	8.0	-12.4	11.3	26.4	-15.3	8.3				

ISO11801 PL3 Class Ea

Wire Map	Resistance	Resistance	Resistance	Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss											
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21	None	None	90	498	44	1	4.0	65.0	21.0	61.0	64.2	62.0	58.0	61.2				
3,6 - 3,6							4	4.0	64.1	21.0	60.1	52.1	61.8	57.8	49.1				
4,5 - 4,5							8	4.9	59.4	21.0	54.4	46.1	57.0	52.1	43.1				
7,8 - 7,8							10	5.5	57.8	21.0	52.3	44.2	55.5	50.0	41.2				
							16	7.0	54.6	20.0	47.6	40.1	52.2	45.2	37.1				
i	Informational measurement only, no limit available						20	7.8	53.1	19.5	45.3	38.2	50.7	42.9	35.2				
	Not evaluated against the test limit						25	8.7	51.5	19.0	42.8	36.2	49.1	40.4	33.2				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	9.8	50.0	18.5	40.2	34.3	47.5	37.8	31.3				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	14.0	45.1	16.0	31.2	28.3	42.7	28.7	25.3				
	If FEXT is < 70 dB, not evaluated against the test limit						100	17.8	41.8	14.0	24.0	24.2	39.3	21.5	21.2				
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	25.7	36.9	11.0	11.3	18.2	34.3	8.7	15.2				
							250	28.9	35.3	10.0	6.4	16.2	32.7	3.8	13.2				
							350	34.6	32.2	8.6	-2.5	13.3	29.4	-5.2	10.3				
							450	39.7	29.2	8.0	-10.6	11.1	26.2	-13.5	8.1				
							500	42.1	27.9	8.0	-14.2	10.2	24.8	-17.2	7.2				

ISO11801 PL3 Class Ea (+All)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21	0.2 or 3.0	0.2 or 7.0	90	498	44	1	4.0	65.0	21.0	61.0	64.2	62.0	58.0	61.2	40.0	30.0	i	i
3,6 - 3,6							4	4.0	64.1	21.0	60.1	52.1	61.8	57.8	49.1	40.0	18.0	i	i
4,5 - 4,5							8	4.9	59.4	21.0	54.4	46.1	57.0	52.1	43.1	39.5	11.9	i	i
7,8 - 7,8							10	5.5	57.8	21.0	52.3	44.2	55.5	50.0	41.2	38.0	10.0	i	i
i if shielded	Informational measurement only if using shielded cable						16	7.0	54.6	20.0	47.6	40.1	52.2	45.2	37.1	34.9	5.9	i	i
i	Informational measurement only, no limit available						20	7.8	53.1	19.5	45.3	38.2	50.7	42.9	35.2	33.5	4.0	i	i
	Not evaluated against the test limit						25	8.7	51.5	19.0	42.8	36.2	49.1	40.4	33.2	32.0	2.0	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	9.8	50.0	18.5	40.2	34.3	47.5	37.8	31.3	30.4	i	i	i
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	14.0	45.1	16.0	31.2	28.3	42.7	28.7	25.3	24.4	i	i	i
	If FEXT is < 70 dB, not evaluated against the test limit						100	17.8	41.8	14.0	24.0	24.2	39.3	21.5	21.2	20.3	i	i	i
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	25.7	36.9	11.0	11.3	18.2	34.3	8.7	15.2	14.3	i	i	i
							250	28.9	35.3	10.0	6.4	16.2	32.7	3.8	13.2	12.3	i	i	i
							350	34.6	32.2	8.6	-2.5	13.3	29.4	-5.2	10.3	i	i	i	i
							450	39.7	29.2	8.0	-10.6	11.1	26.2	-13.5	8.1	i	i	i	i
							500	42.1	27.9	8.0	-14.2	10.2	24.8	-17.2	7.2	i	i	i	i

ISO11801 PL3 Class Ea (+PoE)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21	0.2 or 3.0	0.2 or 7.0	90	498	44	1	4.0	65.0	21.0	61.0	64.2	62.0	58.0	61.2				
3,6 - 3,6							4	4.0	64.1	21.0	60.1	52.1	61.8	57.8	49.1				
4,5 - 4,5							8	4.9	59.4	21.0	54.4	46.1	57.0	52.1	43.1				
7,8 - 7,8							10	5.5	57.8	21.0	52.3	44.2	55.5	50.0	41.2				
							16	7.0	54.6	20.0	47.6	40.1	52.2	45.2	37.1				
							20	7.8	53.1	19.5	45.3	38.2	50.7	42.9	35.2				
	Not evaluated against the test limit						25	8.7	51.5	19.0	42.8	36.2	49.1	40.4	33.2				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	9.8	50.0	18.5	40.2	34.3	47.5	37.8	31.3				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	14.0	45.1	16.0	31.2	28.3	42.7	28.7	25.3				
	If FEXT is < 70 dB, not evaluated against the test limit						100	17.8	41.8	14.0	24.0	24.2	39.3	21.5	21.2				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	25.7	36.9	11.0	11.3	18.2	34.3	8.7	15.2				
	If Insertion Loss @ 450 MHz is < 12 dB, then:						250	28.9	35.3	10.0	6.4	16.2	32.7	3.8	13.2				
							350	34.6	32.2	8.6	-2.5	13.3	29.4	-5.2	10.3				
							450	39.7	29.2	8.0	-10.6	11.1	26.2	-13.5	8.1				
							500	42.1	27.9	8.0	-14.2	10.2	24.8	-17.2	7.2				

Freq.	NEXT	PS NEXT
450	28.7	25.7
500	26.5	23.4

ISO11801 Channel Class Ea

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	None	None	100	555	50	1	4.0	65.0	19.0	61.0	63.3	62.0	58.0	60.3				
3,6 - 3,6							4	4.2	63.0	19.0	58.9	51.2	60.5	56.4	48.2				
4,5 - 4,5							8	5.8	58.2	19.0	52.4	45.2	55.6	49.8	42.2				
7,8 - 7,8							10	6.5	56.6	19.0	50.1	43.3	54.0	47.5	40.3				
							16	8.2	53.2	18.0	45.0	39.2	50.6	42.4	36.2				
							20	9.2	51.6	17.5	42.5	37.2	49.0	39.8	34.2				
	Not evaluated against the test limit						25	10.2	50.0	17.0	39.8	35.3	47.3	37.1	32.3				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	11.5	48.4	16.5	36.9	33.4	45.7	34.2	30.4				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	16.4	43.4	14.0	27.0	27.3	40.6	24.2	24.3				
	If FEXT is < 70 dB, not evaluated against the test limit						100	20.9	39.9	12.0	19.0	23.3	37.1	16.2	20.3				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	30.1	34.8	9.0	4.7	17.2	31.9	1.8	14.2				
	If Insertion Loss @ 450 MHz is < 12 dB, then:						250	33.9	33.1	8.0	-0.8	15.3	30.2	-3.7	12.3				
		Freq.	NEXT	PS NEXT			350	40.6	30.6	6.6	-10.0	12.4	27.6	-13.0	9.4				
		450	28.7	25.7			450	46.5	28.7	6.0	-17.9	10.2	25.7	-20.9	7.2				
		500	26.5	23.4			500	49.3	27.9	6.0	-21.4	9.3	24.8	-24.5	6.3				

ISO11801 Channel Class Ea (+All)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	0.2 or 3.0	0.2 or 7.0	100	555	50	1	4.0	65.0	19.0	61.0	63.3	62.0	58.0	60.3	40.0	30.0	i	i
3,6 - 3,6							4	4.2	63.0	19.0	58.9	51.2	60.5	56.4	48.2	40.0	18.0	i	i
4,5 - 4,5							8	5.8	58.2	19.0	52.4	45.2	55.6	49.8	42.2	39.5	11.9	i	i
7,8 - 7,8							10	6.5	56.6	19.0	50.1	43.3	54.0	47.5	40.3	38.0	10.0	i	i
i if shielded	Informational measurement only if using shielded cable						16	8.2	53.2	18.0	45.0	39.2	50.6	42.4	36.2	34.9	5.9	i	i
i	Informational measurement only, no limit available						20	9.2	51.6	17.5	42.5	37.2	49.0	39.8	34.2	33.5	4.0	i	i
	Not evaluated against the test limit						25	10.2	50.0	17.0	39.8	35.3	47.3	37.1	32.3	32.0	2.0	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	11.5	48.4	16.5	36.9	33.4	45.7	34.2	30.4	30.4	i	i	i
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	16.4	43.4	14.0	27.0	27.3	40.6	24.2	24.3	24.4	i	i	i
	If FEXT is < 70 dB, not evaluated against the test limit						100	20.9	39.9	12.0	19.0	23.3	37.1	16.2	20.3	20.3	i	i	i
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	30.1	34.8	9.0	4.7	17.2	31.9	1.8	14.2	14.3	i	i	i
	If Insertion Loss @ 450 MHz < 12 dB, then:						250	33.9	33.1	8.0	-0.8	15.3	30.2	-3.7	12.3	12.3	i	i	i
		Freq.	NEXT	PS NEXT			350	40.6	30.6	6.6	-10.0	12.4	27.6	-13.0	9.4	i	i	i	i
		450	30.2	27.4			450	46.5	28.7	6.0	-17.9	10.2	25.7	-20.9	7.2	i	i	i	i
		500	27.8	25.0			500	49.3	27.9	6.0	-21.4	9.3	24.8	-24.5	6.3	i	i	i	i

ISO11801 Channel Class Ea (+PoE)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	0.2 or 3.0	0.2 or 7.0	100	555	50	1	4.0	65.0	19.0	61.0	63.3	62.0	58.0	60.3				
3,6 - 3,6							4	4.2	63.0	19.0	58.9	51.2	60.5	56.4	48.2				
4,5 - 4,5							8	5.8	58.2	19.0	52.4	45.2	55.6	49.8	42.2				
7,8 - 7,8							10	6.5	56.6	19.0	50.1	43.3	54.0	47.5	40.3				
							16	8.2	53.2	18.0	45.0	39.2	50.6	42.4	36.2				
							20	9.2	51.6	17.5	42.5	37.2	49.0	39.8	34.2				
	Not evaluated against the test limit						25	10.2	50.0	17.0	39.8	35.3	47.3	37.1	32.3				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	11.5	48.4	16.5	36.9	33.4	45.7	34.2	30.4				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	16.4	43.4	14.0	27.0	27.3	40.6	24.2	24.3				
	If FEXT is < 70 dB, not evaluated against the test limit						100	20.9	39.9	12.0	19.0	23.3	37.1	16.2	20.3				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	30.1	34.8	9.0	4.7	17.2	31.9	1.8	14.2				
	If Insertion Loss @ 450 MHz < 12 dB, then:						250	33.9	33.1	8.0	-0.8	15.3	30.2	-3.7	12.3				
							350	40.6	30.6	6.6	-10.0	12.4	27.6	-13.0	9.4				
							450	46.5	28.7	6.0	-17.9	10.2	25.7	-20.9	7.2				
							500	49.3	27.9	6.0	-21.4	9.3	24.8	-24.5	6.3				

Freq.	NEXT	PS NEXT
450	30.2	27.4
500	27.8	25.0

ISO11801 Cl. Ea Qualification

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	None	None	100	555	50	1	4	65.0	19.0	61.0	63.3	62.0	58.0	60.3				
3,6 - 3,6							4	4.2	63.0	19.0	58.9	51.2	60.5	56.4	48.2				
4,5 - 4,5							8	5.8	58.2	19.0	52.4	45.2	55.6	49.8	42.2				
7,8 - 7,8							10	6.5	56.6	19.0	50.1	43.3	54.0	47.5	40.3				
							16	8.2	53.2	18.0	45.0	39.2	50.6	42.4	36.2				
							20	9.2	51.6	17.5	42.5	37.2	49.0	39.8	34.2				
i	Informational measurement only, no limit available						25	10.2	50.0	17.0	39.8	35.3	47.3	37.1	32.3				
	Not evaluated against the test limit						31.25	11.5	48.4	16.5	36.9	33.4	45.7	34.2	30.4				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	16.4	43.4	14.0	27.0	27.3	40.6	24.2	24.3				
	If Insertion Loss < 4 dB, not evaluated against the test limit						100	20.9	39.9	12.0	19.0	23.3	37.1	16.2	20.3				
	If FEXT is < 70 dB, not evaluated against the test limit						200	30.1	34.8	9.0	4.7	17.2	31.9	1.8	14.2				
	If PS FEXT is < 70 dB, not evaluated against the test limit						250	33.9	33.1	8.0	-0.8	15.3	30.2	-3.7	12.3				
							350	40.6	30.6	6.6	-10.0	12.4	27.6	-13.0	9.4				
							450	46.5	28.7	6.0	-17.9	10.2	25.7	-20.9	7.2				
							500	49.3	27.9	6.0	-21.4	9.3	24.8	-24.5	6.3				

ISO11801 PL2 Class Ea (+All_UTP)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	20.6	0.2 or 3.0	0.2 or 7.0	90	496	43	1	4	65.0	21.0	61.0	65.2	62.0	58.0	62.2	40.0	30.0	i	i
3,6 - 3,6							4	4	64.1	21.0	60.1	53.2	61.8	57.8	50.2	40.0	18.0	i	i
4,5 - 4,5							8	4.9	59.4	21.0	54.5	47.2	57.0	52.1	44.2	39.5	11.9	i	i
7,8 - 7,8							10	5.5	57.8	21.0	52.4	45.2	55.5	50.0	42.2	38.0	10.0	i	i
							16	6.9	54.6	20.0	47.7	41.2	52.2	45.3	38.2	34.9	5.9	i	i
i	Informational measurement only, no limit available						20	7.7	53.1	19.5	45.3	39.2	50.7	43.0	36.2	33.5	4.0	i	i
	Not evaluated against the test limit						25	8.6	51.5	19.0	42.9	37.3	49.1	40.5	34.3	32.0	2.0	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	9.7	50.0	18.5	40.3	35.3	47.5	37.9	32.3	30.4	i	i	i
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	13.8	45.1	16.0	31.3	29.3	42.7	28.8	26.3	24.4	i	i	i
	If FEXT is < 70 dB, not evaluated against the test limit						100	17.6	41.8	14.0	24.2	25.2	39.3	21.7	22.2	20.3	i	i	i
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	25.4	36.9	11.0	11.5	19.2	34.3	8.9	16.2	14.3	i	i	i
	If Insertion Loss @ 450 MHz < 12 dB, then:						250	28.6	35.3	10.0	6.7	17.3	32.7	4.1	14.3	12.3	i	i	i
							350	34.3	32.6	8.6	-1.7	14.4	29.9	-4.4	11.4	i	i	i	i
							450	39.3	30.2	8.0	-9.1	12.2	27.4	-11.9	9.2	i	i	i	i
							500	41.6	29.2	8.0	-12.4	11.3	26.4	-15.3	8.3	i	i	i	i

Freq.	NEXT	PS NEXT
450	30.2	27.4
500	27.8	25.0

ISO11801 PL3 Class Ea (+All_UTP)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21	0.2 or 3.0	0.2 or 7.0	90	498	44	1	4	65.0	21.0	61.0	64.2	62.0	58.0	61.2	40.0	30.0	i	i
3,6 - 3,6							4	4	64.1	21.0	60.1	52.1	61.8	57.8	49.1	40.0	18.0	i	i
4,5 - 4,5							8	4.9	59.4	21.0	54.4	46.1	57.0	52.1	43.1	39.5	11.9	i	i
7,8 - 7,8							10	5.5	57.8	21.0	52.3	44.2	55.5	50.0	41.2	38.0	10.0	i	i
							16	7	54.6	20.0	47.6	40.1	52.2	45.2	37.1	34.9	5.9	i	i
							20	7.8	53.1	19.5	45.3	38.2	50.7	42.9	35.2	33.5	4.0	i	i
i	Informational measurement only, no limit available						25	8.7	51.5	19.0	42.8	36.2	49.1	40.4	33.2	32.0	2.0	i	i
	Not evaluated against the test limit						31.25	9.8	50.0	18.5	40.2	34.3	47.5	37.8	31.3	30.4	i	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	14	45.1	16.0	31.2	28.3	42.7	28.7	25.3	24.4	i	i	i
	If Insertion Loss < 4 dB, not evaluated against the test limit						100	17.8	41.8	14.0	24.0	24.2	39.3	21.5	21.2	20.3	i	i	i
	If FEXT is < 70 dB, not evaluated against the test limit						200	25.7	36.9	11.0	11.3	18.2	34.3	8.7	15.2	14.3	i	i	i
	If PS FEXT is < 70 dB, not evaluated against the test limit						250	28.9	35.3	10.0	6.4	16.2	32.7	3.8	13.2	12.3	i	i	i
							350	34.6	32.2	8.6	-2.5	13.3	29.4	-5.2	10.3	i	i	i	i
							450	39.7	29.2	8.0	-10.6	11.1	26.2	-13.5	8.1	i	i	i	i
							500	42.1	27.9	8.0	-14.2	10.2	24.8	-17.2	7.2	i	i	i	i

ISO11801 Channel Class Ea (+All_UTP)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	0.2 or 3.0	0.2 or 7.0	100	555	50	1	4	65.0	19.0	61.0	63.3	62.0	58.0	60.3	40.0	30.0	i	i
3,6 - 3,6							4	4.2	63.0	19.0	58.9	51.2	60.5	56.4	48.2	40.0	18.0	i	i
4,5 - 4,5							8	5.8	58.2	19.0	52.4	45.2	55.6	49.8	42.2	39.5	11.9	i	i
7,8 - 7,8							10	6.5	56.6	19.0	50.1	43.3	54.0	47.5	40.3	38.0	10.0	i	i
							16	8.2	53.2	18.0	45.0	39.2	50.6	42.4	36.2	34.9	5.9	i	i
i	Informational measurement only, no limit available						20	9.2	51.6	17.5	42.5	37.2	49.0	39.8	34.2	33.5	4.0	i	i
	Not evaluated against the test limit						25	10.2	50.0	17.0	39.8	35.3	47.3	37.1	32.3	32.0	2.0	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	11.5	48.4	16.5	36.9	33.4	45.7	34.2	30.4	30.4	i	i	i
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	16.4	43.4	14.0	27.0	27.3	40.6	24.2	24.3	24.4	i	i	i
	If FEXT is < 70 dB, not evaluated against the test limit						100	20.9	39.9	12.0	19.0	23.3	37.1	16.2	20.3	20.3	i	i	i
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	30.1	34.8	9.0	4.7	17.2	31.9	1.8	14.2	14.3	i	i	i
	If Insertion Loss @ 450 MHz < 12 dB, then:						250	33.9	33.1	8.0	-0.8	15.3	30.2	-3.7	12.3	12.3	i	i	i
							350	40.6	30.6	6.6	-10.0	12.4	27.6	-13.0	9.4	i	i	i	i
							450	46.5	28.7	6.0	-17.9	10.2	25.7	-20.9	7.2	i	i	i	i
							500	49.3	27.9	6.0	-21.4	9.3	24.8	-24.5	6.3	i	i	i	i

Freq.	NEXT	PS NEXT
450	30.2	27.4
500	27.8	25.0

ISO11801 Channel Class E (+All)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	0.2 or 3.0	0.2 or 7.0	100	555	50	1	4.0	65.0	19.0	61.0	63.3	62.0	58.0	60.3	40.0	18.0	i	i
3,6 - 3,6							4	4.2	63.0	19.0	58.9	51.2	60.5	56.4	48.2	39.5	11.9	i	i
4,5 - 4,5							8	5.9	58.2	19.0	52.3	45.2	55.6	49.7	42.2	38.0	10.0	i	i
7,8 - 7,8							10	6.6	56.6	19.0	50.0	43.3	54.0	47.4	40.3	34.9	5.9	i	i
							16	8.3	53.2	18.0	44.9	39.2	50.6	42.3	36.2	33.5	4.0	i	i
i if shielded	Informational measurement only if using shielded cable						20	9.3	51.6	17.5	42.3	37.2	49.0	39.7	34.2	32.0	2.0	i	i
i	Informational measurement only, no limit available						25	10.5	50.0	17.0	39.6	35.3	47.3	36.9	32.3	30.4	i	i	i
	Not evaluated against the test limit						31.25	11.7	48.4	16.5	36.7	33.4	45.7	34.0	30.4	24.4	i	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	16.9	43.4	14.0	26.5	27.3	40.6	23.7	24.3	20.3	i	i	i
	If Insertion Loss < 4 dB, not evaluated against the test limit						100	21.7	39.9	12.0	18.2	23.3	37.1	15.4	20.3	14.3	i	i	i
	If FEXT is < 70 dB, not evaluated against the test limit						200	31.7	34.8	9.0	3.1	17.2	31.9	0.1	14.2	12.3	i	i	i
	If PS FEXT is < 70 dB, not evaluated against the test limit						250	35.9	33.1	8.0	-2.8	15.3	30.2	-5.8	12.3	i	i	i	i
							350	i	i	i	i	i	i	i	i	i	i	i	i

ISO11801 Channel Class E (+PoE)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	0.2 or 3.0	0.2 or 7.0	100	555	50	1	4.0	65.0	19.0	61.0	63.3	62.0	58.0	60.3				
3,6 - 3,6							4	4.2	63.0	19.0	58.9	51.2	60.5	56.4	48.2				
4,5 - 4,5							8	5.9	58.2	19.0	52.3	45.2	55.6	49.7	42.2				
7,8 - 7,8							10	6.6	56.6	19.0	50.0	43.3	54.0	47.4	40.3				
							16	8.3	53.2	18.0	44.9	39.2	50.6	42.3	36.2				
							20	9.3	51.6	17.5	42.3	37.2	49.0	39.7	34.2				
i	Informational measurement only, no limit available						25	10.5	50.0	17.0	39.6	35.3	47.3	36.9	32.3				
	Not evaluated against the test limit						31.25	11.7	48.4	16.5	36.7	33.4	45.7	34.0	30.4				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	16.9	43.4	14.0	26.5	27.3	40.6	23.7	24.3				
	If Insertion Loss < 4 dB, not evaluated against the test limit						100	21.7	39.9	12.0	18.2	23.3	37.1	15.4	20.3				
	If FEXT is < 70 dB, not evaluated against the test limit						200	31.7	34.8	9.0	3.1	17.2	31.9	0.1	14.2				
	If PS FEXT is < 70 dB, not evaluated against the test limit						250	35.9	33.1	8.0	-2.8	15.3	30.2	-5.8	12.3				
							350	i	i	i	i	i	i	i	i				

Copper Limit Lines - Class D

ISO11801 PL Class D

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
	21	None	None	90	498	44	1	4.0	60.0	19.0	56.0	58.6	57.0	53.0	55.6				
1,2 - 1,2							4	4.0	54.8	19.0	50.8	46.6	51.8	47.8	43.6				
3,6 - 3,6							8	5.4	50.0	19.0	44.6	40.6	47.0	41.6	37.6				
4,5 - 4,5							10	6.1	48.5	19.0	42.4	38.6	45.5	39.4	35.6				
7,8 - 7,8							16	7.7	45.2	19.0	37.5	34.5	42.2	34.5	31.5				
							20	8.7	43.7	19.0	35.0	32.6	40.7	32.0	29.6				
i	Informational measurement only, no limit available						25	9.7	42.1	18.0	32.4	30.7	39.1	29.4	27.7				
	Not evaluated against the test limit						31.25	10.9	40.5	17.1	29.6	28.7	37.5	26.6	25.7				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	15.8	35.7	14.0	19.8	22.7	32.7	16.8	19.7				
	If Insertion Loss < 4 dB, not evaluated against the test limit						100	20.4	32.3	12.0	11.9	18.6	29.3	8.9	15.6				
	If FEXT is < 70 dB, not evaluated against the test limit						200	i	i	i	i	i	i	i	i				
	If PS FEXT is < 70 dB, not evaluated against the test limit						250	i	i	i	i	i	i	i	i				
							350	i	i	i	i	i	i	i	i				

ISO11801 PL Class D (+All)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21	0.2 or 3.0	0.2 or 7.0	90	498	44	1	4.0	60.0	19.0	56.0	58.6	57.0	53.0	55.6	40.0	30.0	i	i
3,6 - 3,6							4	4.0	54.8	19.0	50.8	46.6	51.8	47.8	43.6	40.0	18.0	i	i
4,5 - 4,5							8	5.4	50.0	19.0	44.6	40.6	47.0	41.6	37.6	39.5	11.9	i	i
7,8 - 7,8							10	6.1	48.5	19.0	42.4	38.6	45.5	39.4	35.6	38.0	10.0	i	i
							16	7.7	45.2	19.0	37.5	34.5	42.2	34.5	31.5	34.9	5.9	i	i
i	Informational measurement only, no limit available						20	8.7	43.7	19.0	35.0	32.6	40.7	32.0	29.6	33.5	4.0	i	i
	Not evaluated against the test limit						25	9.7	42.1	18.0	32.4	30.7	39.1	29.4	27.7	32.0	2.0	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	10.9	40.5	17.1	29.6	28.7	37.5	26.6	25.7	30.4	i	i	i
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	15.8	35.7	14.0	19.8	22.7	32.7	16.8	19.7	24.4	i	i	i
	If FEXT is < 70 dB, not evaluated against the test limit						100	20.4	32.3	12.0	11.9	18.6	29.3	8.9	15.6	20.3	i	i	i
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	i	i	i	i	i	i	i	i	i	i	i	i
i if shielded	Informational measurement only if using shielded cable						250	i	i	i	i	i	i	i	i	i	i	i	i
							350	i	i	i	i	i	i	i	i	i	i	i	i

ISO11801 PL Class D (+PoE)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21	0.2 or 3.0	0.2 or 7.0	90	498	44	1	4.0	60.0	19.0	56.0	58.6	57.0	53.0	55.6				
3,6 - 3,6							4	4.0	54.8	19.0	50.8	46.6	51.8	47.8	43.6				
4,5 - 4,5							8	5.4	50.0	19.0	44.6	40.6	47.0	41.6	37.6				
7,8 - 7,8							10	6.1	48.5	19.0	42.4	38.6	45.5	39.4	35.6				
							16	7.7	45.2	19.0	37.5	34.5	42.2	34.5	31.5				
i	Informational measurement only, no limit available						20	8.7	43.7	19.0	35.0	32.6	40.7	32.0	29.6				
	Not evaluated against the test limit						25	9.7	42.1	18.0	32.4	30.7	39.1	29.4	27.7				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	10.9	40.5	17.1	29.6	28.7	37.5	26.6	25.7				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	15.8	35.7	14.0	19.8	22.7	32.7	16.8	19.7				
	If FEXT is < 70 dB, not evaluated against the test limit						100	20.4	32.3	12.0	11.9	18.6	29.3	8.9	15.6				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	i	i	i	i	i	i	i	i				
							250	i	i	i	i	i	i	i	i				
							350	i	i	i	i	i	i	i	i				

ISO11801 Channel Class D

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	None	None	100	555	50	1	4.0	60.0	17.0	56.0	57.4	57.0	53.0	54.4				
3,6 - 3,6							4	4.5	53.5	17.0	49.0	45.4	50.5	46.0	42.4				
4,5 - 4,5							8	6.4	48.6	17.0	42.2	39.3	45.6	39.2	36.3				
7,8 - 7,8							10	7.2	47.0	17.0	39.8	37.4	44.0	36.8	34.4				
							16	9.1	43.6	17.0	34.5	33.3	40.6	31.5	30.3				
i	Informational measurement only, no limit available						20	10.2	42.0	17.0	31.8	31.4	39.0	28.8	28.4				
	Not evaluated against the test limit						25	11.5	40.3	16.0	28.9	29.4	37.3	25.9	26.4				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	12.9	38.7	15.1	25.8	27.5	35.7	22.8	24.5				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	18.6	33.6	12.0	15.0	21.5	30.6	12.0	18.5				
	If FEXT is < 70 dB, not evaluated against the test limit						100	24.0	30.1	10.0	6.1	17.4	27.1	3.1	14.4				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	i	i	i	i	i	i	i	i				
							250	i	i	i	i	i	i	i	i				
							350	i	i	i	i	i	i	i	i				

ISO11801 Channel Class D (+All)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	0.2 or 3.0	0.2 or 7.0	100	555	50	1	4.0	60.0	17.0	56.0	57.4	57.0	53.0	54.4	40.0	30.0	i	i
3,6 - 3,6							4	4.5	53.5	17.0	49.0	45.4	50.5	46.0	42.4	40.0	18.0	i	i
4,5 - 4,5							8	6.4	48.6	17.0	42.2	39.3	45.6	39.2	36.3	39.5	11.9	i	i
7,8 - 7,8							10	7.2	47.0	17.0	39.8	37.4	44.0	36.8	34.4	38.0	10.0	i	i
							16	9.1	43.6	17.0	34.5	33.3	40.6	31.5	30.3	34.9	5.9	i	i
i	Informational measurement only, no limit available						20	10.2	42.0	17.0	31.8	31.4	39.0	28.8	28.4	33.5	4.0	i	i
	Not evaluated against the test limit						25	11.5	40.3	16.0	28.9	29.4	37.3	25.9	26.4	32.0	2.0	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	12.9	38.7	15.1	25.8	27.5	35.7	22.8	24.5	30.4	i	i	i
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	18.6	33.6	12.0	15.0	21.5	30.6	12.0	18.5	24.4	i	i	i
	If FEXT is < 70 dB, not evaluated against the test limit						100	24.0	30.1	10.0	6.1	17.4	27.1	3.1	14.4	20.3	i	i	i
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	i	i	i	i	i	i	i	i	i	i	i	i
i if shielded	Informational measurement only if using shielded cable						250	i	i	i	i	i	i	i	i	i	i	i	i
							350	i	i	i	i	i	i	i	i	i	i	i	i

ISO11801 Channel Class D (+PoE)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	0.2 or 3.0	0.2 or 7.0	100	555	50	1	4.0	60.0	17.0	56.0	57.4	57.0	53.0	54.4				
3,6 - 3,6							4	4.5	53.5	17.0	49.0	45.4	50.5	46.0	42.4				
4,5 - 4,5							8	6.4	48.6	17.0	42.2	39.3	45.6	39.2	36.3				
7,8 - 7,8							10	7.2	47.0	17.0	39.8	37.4	44.0	36.8	34.4				
							16	9.1	43.6	17.0	34.5	33.3	40.6	31.5	30.3				
i	Informational measurement only, no limit available						20	10.2	42.0	17.0	31.8	31.4	39.0	28.8	28.4				
	Not evaluated against the test limit						25	11.5	40.3	16.0	28.9	29.4	37.3	25.9	26.4				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	12.9	38.7	15.1	25.8	27.5	35.7	22.8	24.5				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	18.6	33.6	12.0	15.0	21.5	30.6	12.0	18.5				
	If FEXT is < 70 dB, not evaluated against the test limit						100	24.0	30.1	10.0	6.1	17.4	27.1	3.1	14.4				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	i	i	i	i	i	i	i	i				
							250	i	i	i	i	i	i	i	i				
							350	i	i	i	i	i	i	i	i				

ISO11801 Class D (1995)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	40	None	None	100	1000	50	1	2.5	54										
3,6 - 3,6							4	4.8	45										
4,5 - 4,5							8	6.7	41										
7,8 - 7,8							10	7.5	39										
							16	9.4	36										
							20	10.5	35										
							25	11.7	33.7										
i	Informational measurement only, no limit available						31.25	13.1	32										
							62.5	18.4	27										
							100	23.2	24										
							200	i	i										
							250	i	i										
							350	i	i										

Copper Limit Lines - Class C
ISO11801 PL Class C

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	34	None	None	90	498	44	1	4.0	40.1	15.0	36.1								
3,6 - 3,6							4	6.4	30.6	15.0	24.2								
4,5 - 4,5							8	8.8	25.8	15.0	17.0								
7,8 - 7,8							10	9.8	24.3	15.0	14.5								
							16	12.2	21.1	15.0	8.8								
i	Informational measurement only, no limit available						20	i	i	i	i								
	Not evaluated against the test limit						25	i	i	i	i								
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	i	i	i	i								
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	i	i	i	i								
							100	i	i	i	i								
							200	i	i	i	i								
							250	i	i	i	i								
							350	i	i	i	i								

ISO11801 Channel Class C

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	40	None	None	100	555	50	1	4.2	39.1	15.0	34.9								
3,6 - 3,6							4	7.6	29.2	15.0	21.6								
4,5 - 4,5							8	10.4	24.3	15.0	13.9								
7,8 - 7,8							10	11.5	22.7	15.0	11.2								
							16	14.4	19.4	15.0	5.0								
i	Informational measurement only, no limit available						20	i	i	i	i								
	Not evaluated against the test limit						25	i	i	i	i								
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	i	i	i	i								
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	i	i	i	i								
							100	i	i	i	i								
							200	i	i	i	i								
							250	i	i	i	i								
							350	i	i	i	i								

Aus/NZ PL Class E

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21			90	498	44	1	4.0	65.0	21.0	61.0	64.2	62.0	58.0	61.2				
3,6 - 3,6							4	4.0	64.1	21.0	60.1	52.1	61.8	57.8	49.1				
4,5 - 4,5							8	5.0	59.4	21.0	54.4	46.1	57.0	52.0	43.1				
7,8 - 7,8							10	5.6	57.8	21.0	52.2	44.2	55.5	49.9	41.2				
							16	7.1	54.6	20.0	47.5	40.1	52.2	45.1	37.1				
i	Informational measurement only, no limit available						20	7.9	53.1	19.5	45.1	38.2	50.7	42.7	35.2				
	Not evaluated against the test limit						25	8.9	51.5	19.0	42.6	36.2	49.1	40.2	33.2				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	10.0	50.0	18.5	40.0	34.3	47.5	37.5	31.3				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	14.4	45.1	16.0	30.7	28.3	42.7	28.2	25.3				
	If FEXT is < 70 dB, not evaluated against the test limit						100	18.5	41.8	14.0	23.3	24.2	39.3	20.8	21.2				
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	27.1	36.9	11.0	9.9	18.2	34.3	7.2	15.2				
							250	30.7	35.3	10.0	4.7	16.2	32.7	2.0	13.2				
							350	i	i	i	i	i	i	i	i				

Aus/NZ PL Class D

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21			90	498	44	1	4.0	60.0	19.0	56.0	58.6	57.0	53.0	55.6				
3,6 - 3,6							4	4.0	54.8	19.0	50.8	46.6	51.8	47.8	43.6				
4,5 - 4,5							8	5.4	50.0	19.0	44.6	40.6	47.0	41.6	37.6				
7,8 - 7,8							10	6.1	48.5	19.0	42.4	38.6	45.5	39.4	35.6				
							16	7.7	45.2	19.0	37.5	34.5	42.2	34.5	31.5				
i	Informational measurement only, no limit available						20	8.7	43.7	19.0	35.0	32.6	40.7	32.0	29.6				
	Not evaluated against the test limit						25	9.7	42.1	18.0	32.4	30.7	39.1	29.4	27.7				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	10.9	40.5	17.1	29.6	28.7	37.5	26.6	25.7				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	15.8	35.7	14.0	19.8	22.7	32.7	16.8	19.7				
	If FEXT is < 70 dB, not evaluated against the test limit						100	20.4	32.3	12.0	11.9	18.6	29.3	8.9	15.6				
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	i	i	i	i	i	i	i	i				
							250	i	i	i	i	i	i	i	i				
							350	i	i	i	i	i	i	i	i				

Aus/NZ PL Class C

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	34			90	498	44	1	4.0	40.1	15.0	36.1								
3,6 - 3,6							4	6.4	30.6	15.0	24.2								
4,5 - 4,5							8	8.8	25.8	15.0	17.0								
7,8 - 7,8							10	9.8	24.3	15.0	14.5								
							16	12.2	21.1	15.0	8.8								
i	Informational measurement only, no limit available						20	i	i	i	i								
	Not evaluated against the test limit						25	i	i	i	i								
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	i	i	i	i								
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	i	i	i	i								
							100	i	i	i	i								
							200	i	i	i	i								
							250	i	i	i	i								
							350	i	i	i	i								

Aus/NZ Channel Class E

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25			100	555	50	1	4.0	65.0	19.0	61.0	63.3	62.0	58.0	60.3				
3,6 - 3,6							4	4.2	63.0	19.0	58.9	51.2	60.5	56.4	48.2				
4,5 - 4,5							8	5.9	58.2	19.0	52.3	45.2	55.6	49.7	42.2				
7,8 - 7,8							10	6.6	56.6	19.0	50.0	43.3	54.0	47.4	40.3				
							16	8.3	53.2	18.0	44.9	39.2	50.6	42.3	36.2				
i	Informational measurement only, no limit available						20	9.3	51.6	17.5	42.3	37.2	49.0	39.7	34.2				
	Not evaluated against the test limit						25	10.5	50.0	17.0	39.6	35.3	47.3	36.9	32.3				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	11.7	48.4	16.5	36.7	33.4	45.7	34.0	30.4				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	16.9	43.4	14.0	26.5	27.3	40.6	23.7	24.3				
	If FEXT is < 70 dB, not evaluated against the test limit						100	21.7	39.9	12.0	18.2	23.3	37.1	15.4	20.3				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	31.7	34.8	9.0	3.1	17.2	31.9	0.1	14.2				
							250	35.9	33.1	8.0	-2.8	15.3	30.2	-5.8	12.3				
							350	i	i	i	i	i	i	i	i				

Aus/NZ Channel Class D

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25			100	555	50	1	4.0	60.0	17.0	56.0	57.4	57.0	53.0	54.4				
3,6 - 3,6							4	4.5	53.5	17.0	49.0	45.4	50.5	46.0	42.4				
4,5 - 4,5							8	6.4	48.6	17.0	42.2	39.3	45.6	39.2	36.3				
7,8 - 7,8							10	7.2	47.0	17.0	39.8	37.4	44.0	36.8	34.4				
							16	9.1	43.6	17.0	34.5	33.3	40.6	31.5	30.3				
i	Informational measurement only, no limit available						20	10.2	42.0	17.0	31.8	31.4	39.0	28.8	28.4				
	Not evaluated against the test limit						25	11.5	40.3	16.0	28.9	29.4	37.3	25.9	26.4				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	12.9	38.7	15.1	25.8	27.5	35.7	22.8	24.5				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	18.6	33.6	12.0	15.0	21.5	30.6	12.0	18.5				
	If FEXT is < 70 dB, not evaluated against the test limit						100	24.0	30.1	10.0	6.1	17.4	27.1	3.1	14.4				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	i	i	i	i	i	i	i	i				
							250	i	i	i	i	i	i	i	i				
							350	i	i	i	i	i	i	i	i				

Aus/NZ Channel Class C

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	40			100	555	50	1	4.2	39.1	15.0	34.9								
3,6 - 3,6							4	7.6	29.2	15.0	21.6								
4,5 - 4,5							8	10.4	24.3	15.0	13.9								
7,8 - 7,8							10	11.5	22.7	15.0	11.2								
							16	14.4	19.4	15.0	5.0								
i	Informational measurement only, no limit available						20	i	i	i	i								
	Not evaluated against the test limit						25	i	i	i	i								
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	i	i	i	i								
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	i	i	i	i								
							100	i	i	i	i								
							200	i	i	i	i								
							250	i	i	i	i								
							350	i	i	i	i								

ABNT NBR 14565 PL Class F

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21			90	498	26	1	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0				
3,6 - 3,6							4	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0				
4,5 - 4,5							8	4.9	65.0	21.0	60.1	64.3	62.0	57.1	61.3				
7,8 - 7,8							10	5.5	65.0	21.0	59.5	62.7	62.0	56.5	59.7				
							16	6.9	65.0	20.0	58.1	59.3	62.0	55.1	56.3				
i	Informational measurement only, no limit available						20	7.7	65.0	19.5	57.3	57.7	62.0	54.3	54.7				
	Not evaluated against the test limit						25	8.7	65.0	19.0	56.3	56.1	62.0	53.3	53.1				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	9.7	65.0	18.5	55.3	54.5	62.0	52.3	51.5				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	13.9	65.0	16.0	51.1	49.5	62.0	48.1	46.5				
	If FEXT is < 70 dB, not evaluated against the test limit						100	17.7	65.0	14.0	47.3	46.0	62.0	44.3	43.0				
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	25.6	61.9	11.0	36.3	40.9	58.9	33.3	37.9				
							250	28.8	60.4	10.0	31.6	39.2	57.4	28.6	36.2				
							350	34.6	58.2	10.0	23.6	36.7	55.2	20.6	33.7				
							450	39.7	56.6	10.0	16.9	34.8	53.6	13.9	31.8				
							500	42.1	55.9	10.0	13.8	34.0	52.9	10.8	31.0				
							600	46.6	54.7	10.0	8.1	32.6	51.7	5.1	29.6				
							700	i	i	i	i	i	i	i	i				
							800	i	i	i	i	i	i	i	i				
							900	i	i	i	i	i	i	i	i				
							1000	i	i	i	i	i	i	i	i				

ABNT NBR 14565 PL2 Class Ea

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	20.6			90	496	43	1	4.0	65.0	21.0	61.0	65.2	62.0	58.0	62.2				
3,6 - 3,6							4	4.0	64.1	21.0	60.1	53.2	61.8	57.8	50.2				
4,5 - 4,5							8	4.9	59.4	21.0	54.5	47.2	57.0	52.1	44.2				
7,8 - 7,8							10	5.5	57.8	21.0	52.4	45.2	55.5	50.0	42.2				
							16	6.9	54.6	20.0	47.7	41.2	52.2	45.3	38.2				
							20	7.7	53.1	19.5	45.3	39.2	50.7	43.0	36.2				
	Not evaluated against the test limit						25	8.6	51.5	19.0	42.9	37.3	49.1	40.5	34.3				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	9.7	50.0	18.5	40.3	35.3	47.5	37.9	32.3				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	13.8	45.1	16.0	31.3	29.3	42.7	28.8	26.3				
	If FEXT is < 70 dB, not evaluated against the test limit						100	17.6	41.8	14.0	24.2	25.2	39.3	21.7	22.2				
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	25.4	36.9	11.0	11.5	19.2	34.3	8.9	16.2				
	If Insertion Loss @ 450 MHz < 12 dB, then:						250	28.6	35.3	10.0	6.7	17.3	32.7	4.1	14.3				
							350	34.3	32.6	8.6	-1.7	14.4	29.9	-4.4	11.4				
							450	39.3	30.2	8.0	-9.1	12.2	27.4	-11.9	9.2				
							500	41.6	29.2	8.0	-12.4	11.3	26.4	-15.3	8.3				

Freq.	NEXT	PS NEXT
450	30.2	27.4
500	27.8	25.0

ABNT NBR 14565 PL3 Class Ea

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21			90	498	44	1	4.0	65.0	21.0	61.0	64.2	62.0	58.0	61.2				
3,6 - 3,6							4	4.0	64.1	21.0	60.1	52.1	61.8	57.8	49.1				
4,5 - 4,5							8	4.9	59.4	21.0	54.4	46.1	57.0	52.1	43.1				
7,8 - 7,8							10	5.5	57.8	21.0	52.3	44.2	55.5	50.0	41.2				
							16	7.0	54.6	20.0	47.6	40.1	52.2	45.2	37.1				
							20	7.8	53.1	19.5	45.3	38.2	50.7	42.9	35.2				
	Not evaluated against the test limit						25	8.7	51.5	19.0	42.8	36.2	49.1	40.4	33.2				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	9.8	50.0	18.5	40.2	34.3	47.5	37.8	31.3				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	14.0	45.1	16.0	31.2	28.3	42.7	28.7	25.3				
	If FEXT is < 70 dB, not evaluated against the test limit						100	17.8	41.8	14.0	24.0	24.2	39.3	21.5	21.2				
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	25.7	36.9	11.0	11.3	18.2	34.3	8.7	15.2				
							250	28.9	35.3	10.0	6.4	16.2	32.7	3.8	13.2				
							350	34.6	32.2	8.6	-2.5	13.3	29.4	-5.2	10.3				
							450	39.7	29.2	8.0	-10.6	11.1	26.2	-13.5	8.1				
							500	42.1	27.9	8.0	-14.2	10.2	24.8	-17.2	7.2				

ABNT NBR 14565 PL Class E

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21			90	498	44	1	4.0	65.0	21.0	61.0	64.2	62.0	58.0	61.2				
3,6 - 3,6							4	4.0	64.1	21.0	60.1	52.1	61.8	57.8	49.1				
4,5 - 4,5							8	5.0	59.4	21.0	54.4	46.1	57.0	52.0	43.1				
7,8 - 7,8							10	5.6	57.8	21.0	52.2	44.2	55.5	49.9	41.2				
							16	7.1	54.6	20.0	47.5	40.1	52.2	45.1	37.1				
i	Informational measurement only, no limit available						20	7.9	53.1	19.5	45.1	38.2	50.7	42.7	35.2				
	Not evaluated against the test limit						25	8.9	51.5	19.0	42.6	36.2	49.1	40.2	33.2				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	10.0	50.0	18.5	40.0	34.3	47.5	37.5	31.3				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	14.4	45.1	16.0	30.7	28.3	42.7	28.2	25.3				
	If FEXT is < 70 dB, not evaluated against the test limit						100	18.5	41.8	14.0	23.3	24.2	39.3	20.8	21.2				
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	27.1	36.9	11.0	9.9	18.2	34.3	7.2	15.2				
							250	30.7	35.3	10.0	4.7	16.2	32.7	2.0	13.2				
							350	i	i	i	i	i	i	i	i				

ABNT NBR 14565 PL Class D

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21			90	498	44	1	4.0	60.0	19.0	56.0	58.6	57.0	53.0	55.6				
3,6 - 3,6							4	4.0	54.8	19.0	50.8	46.6	51.8	47.8	43.6				
4,5 - 4,5							8	5.4	50.0	19.0	44.6	40.6	47.0	41.6	37.6				
7,8 - 7,8							10	6.1	48.5	19.0	42.4	38.6	45.5	39.4	35.6				
							16	7.7	45.2	19.0	37.5	34.5	42.2	34.5	31.5				
i	Informational measurement only, no limit available						20	8.7	43.7	19.0	35.0	32.6	40.7	32.0	29.6				
	Not evaluated against the test limit						25	9.7	42.1	18.0	32.4	30.7	39.1	29.4	27.7				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	10.9	40.5	17.1	29.6	28.7	37.5	26.6	25.7				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	15.8	35.7	14.0	19.8	22.7	32.7	16.8	19.7				
	If FEXT is < 70 dB, not evaluated against the test limit						100	20.4	32.3	12.0	11.9	18.6	29.3	8.9	15.6				
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	i	i	i	i	i	i	i	i				
							250	i	i	i	i	i	i	i	i				
							350	i	i	i	i	i	i	i	i				

ABNT NBR 14565 PL Class C

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	34			90	498	44	1	4.0	40.1	15.0	36.1								
3,6 - 3,6							4	6.4	30.6	15.0	24.2								
4,5 - 4,5							8	8.8	25.8	15.0	17.0								
7,8 - 7,8							10	9.8	24.3	15.0	14.5								
							16	12.2	21.1	15.0	8.8								
i	Informational measurement only, no limit available						20	i	i	i	i								
	Not evaluated against the test limit						25	i	i	i	i								
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	i	i	i	i								
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	i	i	i	i								
							100	i	i	i	i								
							200	i	i	i	i								
							250	i	i	i	i								
							350	i	i	i	i								

ABNT NBR 14565 Channel Class F

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25			100	555	30	1	4.0	65.0	19.0	61.0	65.0	62.0	58.0	62.0				
3,6 - 3,6							4	4.1	65.0	19.0	60.9	65.0	62.0	57.9	62.0				
4,5 - 4,5							8	5.7	65.0	19.0	59.3	62.4	62.0	56.3	59.4				
7,8 - 7,8							10	6.4	65.0	19.0	58.6	60.8	62.0	55.6	57.8				
							16	8.1	65.0	18.0	56.9	57.5	62.0	53.9	54.5				
i	Informational measurement only, no limit available						20	9.1	65.0	17.5	55.9	55.9	62.0	52.9	52.9				
	Not evaluated against the test limit						25	10.2	65.0	17.0	54.8	54.4	62.0	51.8	51.4				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	11.4	65.0	16.5	53.6	52.8	62.0	50.6	49.8				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	16.3	65.0	14.0	48.7	47.8	62.0	45.7	44.8				
	If FEXT is < 70 dB, not evaluated against the test limit						100	20.8	62.9	12.0	42.1	44.4	59.9	39.1	41.4				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	30.0	58.3	9.0	28.4	39.4	55.3	25.4	36.4				
							250	33.8	56.9	8.0	23.1	37.8	53.9	20.1	34.8				
							350	40.5	54.7	8.0	14.2	35.3	51.7	11.2	32.3				
							450	46.5	53.1	8.0	6.5	33.4	50.1	3.5	30.4				
							500	49.3	52.4	8.0	3.1	32.6	49.4	0.1	29.6				
							600	54.6	51.2	8.0	-3.4	31.3	48.2	-6.4	28.3				
							700	i	i	i	i	i	i	i	i				
							800	i	i	i	i	i	i	i	i				
							900	i	i	i	i	i	i	i	i				
							1000	i	i	i	i	i	i	i	i				

ABNT NBR 14565 Channel Class Ea

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25			100	555	50	1	4.0	65.0	19.0	61.0	63.3	62.0	58.0	60.3				
3,6 - 3,6							4	4.2	63.0	19.0	58.9	51.2	60.5	56.4	48.2				
4,5 - 4,5							8	5.8	58.2	19.0	52.4	45.2	55.6	49.8	42.2				
7,8 - 7,8							10	6.5	56.6	19.0	50.1	43.3	54.0	47.5	40.3				
							16	8.2	53.2	18.0	45.0	39.2	50.6	42.4	36.2				
							20	9.2	51.6	17.5	42.5	37.2	49.0	39.8	34.2				
	Not evaluated against the test limit						25	10.2	50.0	17.0	39.8	35.3	47.3	37.1	32.3				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	11.5	48.4	16.5	36.9	33.4	45.7	34.2	30.4				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	16.4	43.4	14.0	27.0	27.3	40.6	24.2	24.3				
	If FEXT is < 70 dB, not evaluated against the test limit						100	20.9	39.9	12.0	19.0	23.3	37.1	16.2	20.3				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	30.1	34.8	9.0	4.7	17.2	31.9	1.8	14.2				
	If Insertion Loss @ 450 MHz is < 12 dB, then:						250	33.9	33.1	8.0	-0.8	15.3	30.2	-3.7	12.3				
		Freq.	NEXT	PS NEXT			350	40.6	30.6	6.6	-10.0	12.4	27.6	-13.0	9.4				
		450	28.7	25.7			450	46.5	28.7	6.0	-17.9	10.2	25.7	-20.9	7.2				
		500	26.5	23.4			500	49.3	27.9	6.0	-21.4	9.3	24.8	-24.5	6.3				

ABNT NBR 14565 Channel Class E

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25			100	555	50	1	4.0	65.0	19.0	61.0	63.3	62.0	58.0	60.3				
3,6 - 3,6							4	4.2	63.0	19.0	58.9	51.2	60.5	56.4	48.2				
4,5 - 4,5							8	5.9	58.2	19.0	52.3	45.2	55.6	49.7	42.2				
7,8 - 7,8							10	6.6	56.6	19.0	50.0	43.3	54.0	47.4	40.3				
							16	8.3	53.2	18.0	44.9	39.2	50.6	42.3	36.2				
i	Informational measurement only, no limit available						20	9.3	51.6	17.5	42.3	37.2	49.0	39.7	34.2				
	Not evaluated against the test limit						25	10.5	50.0	17.0	39.6	35.3	47.3	36.9	32.3				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	11.7	48.4	16.5	36.7	33.4	45.7	34.0	30.4				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	16.9	43.4	14.0	26.5	27.3	40.6	23.7	24.3				
	If FEXT is < 70 dB, not evaluated against the test limit						100	21.7	39.9	12.0	18.2	23.3	37.1	15.4	20.3				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	31.7	34.8	9.0	3.1	17.2	31.9	0.1	14.2				
							250	35.9	33.1	8.0	-2.8	15.3	30.2	-5.8	12.3				
							350	i	i	i	i	i	i	i	i				

ABNT NBR 14565 Channel Class D

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25			100	555	50	1	4.0	60.0	17.0	56.0	57.4	57.0	53.0	54.4				
3,6 - 3,6							4	4.5	53.5	17.0	49.0	45.4	50.5	46.0	42.4				
4,5 - 4,5							8	6.4	48.6	17.0	42.2	39.3	45.6	39.2	36.3				
7,8 - 7,8							10	7.2	47.0	17.0	39.8	37.4	44.0	36.8	34.4				
							16	9.1	43.6	17.0	34.5	33.3	40.6	31.5	30.3				
i	Informational measurement only, no limit available						20	10.2	42.0	17.0	31.8	31.4	39.0	28.8	28.4				
	Not evaluated against the test limit						25	11.5	40.3	16.0	28.9	29.4	37.3	25.9	26.4				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	12.9	38.7	15.1	25.8	27.5	35.7	22.8	24.5				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	18.6	33.6	12.0	15.0	21.5	30.6	12.0	18.5				
	If FEXT is < 70 dB, not evaluated against the test limit						100	24.0	30.1	10.0	6.1	17.4	27.1	3.1	14.4				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	i	i	i	i	i	i	i	i				
							250	i	i	i	i	i	i	i	i				
							350	i	i	i	i	i	i	i	i				

ABNT NBR 14565 Channel Class C

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	40			100	555	50	1	4.2	39.1	15.0	34.9								
3,6 - 3,6							4	7.6	29.2	15.0	21.6								
4,5 - 4,5							8	10.4	24.3	15.0	13.9								
7,8 - 7,8							10	11.5	22.7	15.0	11.2								
							16	14.4	19.4	15.0	5.0								
i	Informational measurement only, no limit available						20	i	i	i	i								
	Not evaluated against the test limit						25	i	i	i	i								
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	i	i	i	i								
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	i	i	i	i								
							100	i	i	i	i								
							200	i	i	i	i								
							250	i	i	i	i								
							350	i	i	i	i								

GB/T 50312-2016 Cat 7A PL no CP

Wire Map	Resistance	Resistance Unbalance		Length	Prop.	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		In a Pair	Pair to Pair	0	Delay	Skew		Loss												
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	20.6	None	None	90	496	25	1	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0					
3,6 - 3,6							4	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0					
4,5 - 4,5							8	4.8	65.0	21.0	60.2	65.0	62.0	57.2	62.0					
7,8 - 7,8							10	5.4	65.0	21.0	59.6	65.0	62.0	56.6	62.0					
							16	6.8	65.0	20.0	58.2	65.0	62.0	55.2	62.0					
							20	7.6	65.0	19.5	57.4	64.5	62.0	54.4	61.5					
	Not evaluated against the test limit						25	8.5	65.0	19.0	56.5	62.5	62.0	53.5	59.5					
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	9.5	65.0	18.5	55.5	60.6	62.0	52.5	57.6					
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	13.4	65.0	16.0	51.6	54.6	62.0	48.6	51.6					
	If FEXT is < 70 dB, not evaluated against the test limit						100	17.1	65.0	14.0	47.9	50.5	62.0	44.9	47.5					
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	24.4	63.5	11.0	39.1	44.5	60.5	36.1	41.5					
	If Insertion Loss @ 900 MHz is < 17 dB, then:						250	27.4	61.7	10.0	34.4	42.5	58.7	31.4	39.5					
							350	32.6	59.0	10.0	26.4	39.6	56.0	23.4	36.6					
							450	37.2	57.0	10.0	19.8	37.4	54.0	16.8	34.4					
							500	39.4	56.2	10.0	16.8	36.5	53.2	13.8	33.5					
							600	43.4	54.7	10.0	11.3	34.9	51.7	8.3	31.9					
							700	47.1	53.0	9.5	6.4	33.6	50.0	3.4	30.6					
							800	50.6	51.5	9.0	1.8	32.4	48.5	-1.2	29.4					
							900	53.9	50.3	8.5	-2.4	31.4	47.3	-5.4	28.4					
							1000	57.0	49.1	8.0	-6.4	30.5	46.1	-9.4	27.5					

Freq.	NEXT	PS NEXT
900	50.3	47.3
1000	46.3	43.3

GB/T 50312-2016 Cat 7A PL no CP (+All)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair			Skew		Loss												
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	
1,2 - 1,2	20.6	0.15 or 3.0	0.2 or 7.0	90	496	25	1	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0	40.0	30.0	i	i	i
3,6 - 3,6							4	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0	40.0	18.0	i	i	i
4,5 - 4,5							8	4.8	65.0	21.0	60.2	65.0	62.0	57.2	62.0	39.5	11.9	i	i	i
7,8 - 7,8							10	5.4	65.0	21.0	59.6	65.0	62.0	56.6	62.0	38.0	10.0	i	i	i
							16	6.8	65.0	20.0	58.2	65.0	62.0	55.2	62.0	34.9	5.9	i	i	i
i	Informational measurement only, no limit available						20	7.6	65.0	19.5	57.4	64.5	62.0	54.4	61.5	33.5	4.0	i	i	i
	Not evaluated against the test limit						25	8.5	65.0	19.0	56.5	62.5	62.0	53.5	59.5	32.0	2.0	i	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	9.5	65.0	18.5	55.5	60.6	62.0	52.5	57.6	30.4	i	i	i	i
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	13.4	65.0	16.0	51.6	54.6	62.0	48.6	51.6	24.4	i	i	i	i
	If FEXT is < 70 dB, not evaluated against the test limit						100	17.1	65.0	14.0	47.9	50.5	62.0	44.9	47.5	20.3	i	i	i	i
i if shielded	Informational measurement only if using shielded cable						200	24.4	63.5	11.0	39.1	44.5	60.5	36.1	41.5	14.3	i	i	i	i
	If PS FEXT is < 70 dB, not evaluated against the test limit						250	27.4	61.7	10.0	34.4	42.5	58.7	31.4	39.5	12.3	i	i	i	i
	If Insertion Loss @ 900 MHz is < 17 dB, then:						350	32.6	59.0	10.0	26.4	39.6	56.0	23.4	36.6	i	i	i	i	i
							450	37.2	57.0	10.0	19.8	37.4	54.0	16.8	34.4	i	i	i	i	i
							500	39.4	56.2	10.0	16.8	36.5	53.2	13.8	33.5	i	i	i	i	i
							600	43.4	54.7	10.0	11.3	34.9	51.7	8.3	31.9	i	i	i	i	i
							700	47.1	53.0	9.5	6.4	33.6	50.0	3.4	30.6	i	i	i	i	i
							800	50.6	51.5	9.0	1.8	32.4	48.5	-1.2	29.4	i	i	i	i	i
							900	53.9	50.3	8.5	-2.4	31.4	47.3	-5.4	28.4	i	i	i	i	i
							1000	57.0	49.1	8.0	-6.4	30.5	46.1	-9.4	27.5	i	i	i	i	i

Freq.	NEXT	PS NEXT
900	50.3	47.3
1000	46.3	43.3

GB/T 50312-2016 Cat 7A PL with CP

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair			Skew		Loss												
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21	None	None	90	498	26	1	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0					
3,6 - 3,6							4	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0					
4,5 - 4,5							8	4.9	65.0	21.0	60.1	65.0	62.0	57.1	62.0					
7,8 - 7,8							10	5.4	65.0	21.0	59.6	65.0	62.0	56.6	62.0					
							16	6.8	65.0	20.0	58.2	64.7	62.0	55.2	61.7					
							20	7.7	65.0	19.5	57.3	62.8	62.0	54.3	59.8					
	Not evaluated against the test limit						25	8.6	65.0	19.0	56.4	60.8	62.0	53.4	57.8					
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	9.6	65.0	18.5	55.4	58.9	62.0	52.4	55.9					
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	13.6	65.0	16.0	51.4	52.9	62.0	48.4	49.9					
	If FEXT is < 70 dB, not evaluated against the test limit						100	17.3	65.0	14.0	47.7	48.8	62.0	44.7	45.8					
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	24.7	63.5	11.0	38.9	42.8	60.5	35.9	39.8					
	If Insertion Loss @ 900 MHz is < 17 dB, then:						250	27.7	61.7	10.0	34.0	40.8	58.7	31.0	37.8					
							350	33	59.0	10.0	26.0	37.9	56.0	23.0	34.9					
							450	37.7	57.0	10.0	19.3	35.7	54.0	16.3	32.7					
							500	39.8	56.2	10.0	16.3	34.8	53.2	13.3	31.8					
							600	43.9	54.7	10.0	10.8	33.2	51.7	7.8	30.2					
							700	47.6	52.6	9.5	5.9	31.9	49.6	2.9	28.9					
							800	51.1	50.9	9.0	1.3	30.7	47.9	-1.7	27.7					
							900	54.5	49.3	8.5	-3.0	29.7	46.3	-6.0	26.7					
							1000	57.6	47.9	8.0	-7.0	28.8	44.9	-10.0	25.8					

Freq.	NEXT	PS NEXT
900	50.3	47.3
1000	46.3	43.3

GB/T 50312-2016 Cat 7A PL with CP (+All)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair	0	0	Skew		Loss												
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21	0.15 or 3.0	0.2 or 7.0	90	498	26	1	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0	40.0	30.0	i	i	i
3,6 - 3,6							4	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0	40.0	18.0	i	i	i
4,5 - 4,5							8	4.9	65.0	21.0	60.1	65.0	62.0	57.1	62.0	39.5	11.9	i	i	i
7,8 - 7,8							10	5.4	65.0	21.0	59.6	65.0	62.0	56.6	62.0	38.0	10.0	i	i	i
							16	6.8	65.0	20.0	58.2	64.7	62.0	55.2	61.7	34.9	5.9	i	i	i
i	Informational measurement only, no limit available						20	7.7	65.0	19.5	57.3	62.8	62.0	54.3	59.8	33.5	4.0	i	i	i
	Not evaluated against the test limit						25	8.6	65.0	19.0	56.4	60.8	62.0	53.4	57.8	32.0	2.0	i	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	9.6	65.0	18.5	55.4	58.9	62.0	52.4	55.9	30.4	i	i	i	i
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	13.6	65.0	16.0	51.4	52.9	62.0	48.4	49.9	24.4	i	i	i	i
	If FEXT is < 70 dB, not evaluated against the test limit						100	17.3	65.0	14.0	47.7	48.8	62.0	44.7	45.8	20.3	i	i	i	i
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	24.7	63.5	11.0	38.9	42.8	60.5	35.9	39.8	14.3	i	i	i	i
	If Insertion Loss @ 900 MHz is < 17 dB, then:						250	27.7	61.7	10.0	34.0	40.8	58.7	31.0	37.8	12.3	i	i	i	i
i if shielded	Informational measurement only if using shielded cable						350	33	59.0	10.0	26.0	37.9	56.0	23.0	34.9	i	i	i	i	i
							450	37.7	57.0	10.0	19.3	35.7	54.0	16.3	32.7	i	i	i	i	i
							500	39.8	56.2	10.0	16.3	34.8	53.2	13.3	31.8	i	i	i	i	i
							600	43.9	54.7	10.0	10.8	33.2	51.7	7.8	30.2	i	i	i	i	i
							700	47.6	52.6	9.5	5.9	31.9	49.6	2.9	28.9	i	i	i	i	i
							800	51.1	50.9	9.0	1.3	30.7	47.9	-1.7	27.7	i	i	i	i	i
							900	54.5	49.3	8.5	-3.0	29.7	46.3	-6.0	26.7	i	i	i	i	i
							1000	57.6	47.9	8.0	-7.0	28.8	44.9	-10.0	25.8	i	i	i	i	i

Freq.	NEXT	PS NEXT
900	50.3	47.3
1000	46.3	43.3

GB/T 50312-2016 Cat 7A Ch

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	None	None	100	555	30	1	4.0	65.0	19.0	61.0	65.0	62.0	58.0	62.0					
3,6 - 3,6							4	4.1	65.0	19.0	60.9	65.0	62.0	57.9	62.0					
4,5 - 4,5							8	5.7	65.0	19.0	59.3	65.0	62.0	56.3	62.0					
7,8 - 7,8							10	6.4	65.0	19.0	58.6	65.0	62.0	55.6	62.0					
							16	8	65.0	18.0	57.0	63.3	62.0	54.0	60.3					
							20	9	65.0	17.5	56.0	61.4	62.0	53.0	58.4					
	Not evaluated against the test limit						25	10	65.0	17.0	55.0	59.4	62.0	52.0	56.4					
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	11.2	65.0	16.5	53.8	57.5	62.0	50.8	54.5					
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	15.9	65.0	14.0	49.1	51.5	62.0	46.1	48.5					
	If FEXT is < 70 dB, not evaluated against the test limit						100	20.3	65.0	12.0	44.7	47.4	62.0	41.7	44.4					
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	28.9	60.9	9.0	32.0	41.4	57.9	29.0	38.4					
	If Insertion Loss @ 900 MHz is < 17 dB, then:						250	32.5	59.1	8.0	26.7	39.4	56.1	23.7	36.4					
							350	38.7	56.4	8.0	17.7	36.5	53.4	14.7	33.5					
							450	44.2	54.4	8.0	10.2	34.3	51.4	7.2	31.3					
							500	46.7	53.6	8.0	6.9	33.4	50.6	3.9	30.4					
							600	51.4	52.1	8.0	0.7	31.8	49.1	-2.3	28.8					
							700	55.8	50.8	7.5	-5.0	30.5	47.8	-8.0	27.5					
							800	59.9	49.7	7.0	-10.2	29.3	46.7	-13.2	26.3					
							900	63.8	48.8	6.5	-15.1	28.3	45.8	-18.1	25.3					
							1000	67.6	47.9	6.0	-19.6	27.4	44.9	-22.6	24.4					

Freq.	NEXT	PS NEXT
900	50.3	47.3
1000	46.3	43.3

GB/T 50312-2016 Cat 7A Ch (+All)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	0.2 or 3.0	0.2 or 7.0	100	555	30	1	4.0	65.0	19.0	61.0	65.0	62.0	58.0	62.0	40.0	30.0	i	i	i
3,6 - 3,6							4	4.1	65.0	19.0	60.9	65.0	62.0	57.9	62.0	40.0	18.0	i	i	i
4,5 - 4,5							8	5.7	65.0	19.0	59.3	65.0	62.0	56.3	62.0	39.5	11.9	i	i	i
7,8 - 7,8							10	6.4	65.0	19.0	58.6	65.0	62.0	55.6	62.0	38.0	10.0	i	i	i
							16	8	65.0	18.0	57.0	63.3	62.0	54.0	60.3	34.9	5.9	i	i	i
i	Informational measurement only, no limit available						20	9	65.0	17.5	56.0	61.4	62.0	53.0	58.4	33.5	4.0	i	i	i
	Not evaluated against the test limit						25	10	65.0	17.0	55.0	59.4	62.0	52.0	56.4	32.0	2.0	i	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	11.2	65.0	16.5	53.8	57.5	62.0	50.8	54.5	30.4	i	i	i	i
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	15.9	65.0	14.0	49.1	51.5	62.0	46.1	48.5	24.4	i	i	i	i
	If FEXT is < 70 dB, not evaluated against the test limit						100	20.3	65.0	12.0	44.7	47.4	62.0	41.7	44.4	20.3	i	i	i	i
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	28.9	60.9	9.0	32.0	41.4	57.9	29.0	38.4	14.3	i	i	i	i
	If Insertion Loss @ 900 MHz is < 17 dB, then:						250	32.5	59.1	8.0	26.7	39.4	56.1	23.7	36.4	12.3	i	i	i	i
i if shielded	Informational measurement only if using shielded cable						350	38.7	56.4	8.0	17.7	36.5	53.4	14.7	33.5	i	i	i	i	i
							450	44.2	54.4	8.0	10.2	34.3	51.4	7.2	31.3	i	i	i	i	i
							500	46.7	53.6	8.0	6.9	33.4	50.6	3.9	30.4	i	i	i	i	i
							600	51.4	52.1	8.0	0.7	31.8	49.1	-2.3	28.8	i	i	i	i	i
							700	55.8	50.8	7.5	-5.0	30.5	47.8	-8.0	27.5	i	i	i	i	i
							800	59.9	49.7	7.0	-10.2	29.3	46.7	-13.2	26.3	i	i	i	i	i
							900	63.8	48.8	6.5	-15.1	28.3	45.8	-18.1	25.3	i	i	i	i	i
							1000	67.6	47.9	6.0	-19.6	27.4	44.9	-22.6	24.4	i	i	i	i	i

Freq.	NEXT	PS NEXT
900	50.3	47.3
1000	46.3	43.3

GB/T 50312-2016 Cat 7 PL

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	CMRL
		In a Pair	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21	None	None	90	498	26	1	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0					
3,6 - 3,6							4	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0					
4,5 - 4,5							8	4.9	65.0	21.0	60.1	64.3	62.0	57.1	61.3					
7,8 - 7,8							10	5.5	65.0	21.0	59.5	62.7	62.0	56.5	59.7					
							16	6.9	65.0	20.0	58.1	59.3	62.0	55.1	56.3					
i	Informational measurement only, no limit available						20	7.7	65.0	19.5	57.3	57.7	62.0	54.3	54.7					
	Not evaluated against the test limit						25	8.7	65.0	19.0	56.3	56.1	62.0	53.3	53.1					
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	9.7	65.0	18.5	55.3	54.5	62.0	52.3	51.5					
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	13.9	65.0	16.0	51.1	49.5	62.0	48.1	46.5					
	If FEXT is < 70 dB, not evaluated against the test limit						100	17.7	65.0	14.0	47.3	46.0	62.0	44.3	43.0					
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	25.6	61.9	11.0	36.3	40.9	58.9	33.3	37.9					
							250	28.8	60.4	10.0	31.6	39.2	57.4	28.6	36.2					
							350	34.6	58.2	10.0	23.6	36.7	55.2	20.6	33.7					
							450	39.7	56.6	10.0	16.9	34.8	53.6	13.9	31.8					
							500	42.1	55.9	10.0	13.8	34.0	52.9	10.8	31.0					
							600	46.6	54.7	10.0	8.1	32.6	51.7	5.1	29.6					
							i	i	i	i	i	i	i	i	i					
							i	i	i	i	i	i	i	i	i					
							i	i	i	i	i	i	i	i	i					
							i	i	i	i	i	i	i	i	i					

GB/T 50312-2016 Cat 7 PL (+All)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21	0.15 or 3.0	0.2 or 7.0	90	498	26	1	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0	40.0	30.0	i	i	i
3,6 - 3,6							4	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0	40.0	18.0	i	i	i
4,5 - 4,5							8	4.9	65.0	21.0	60.1	64.3	62.0	57.1	61.3	39.5	11.9	i	i	i
7,8 - 7,8							10	5.5	65.0	21.0	59.5	62.7	62.0	56.5	59.7	38.0	10.0	i	i	i
							16	6.9	65.0	20.0	58.1	59.3	62.0	55.1	56.3	34.9	5.9	i	i	i
i	Informational measurement only, no limit available						20	7.7	65.0	19.5	57.3	57.7	62.0	54.3	54.7	33.5	4.0	i	i	i
	Not evaluated against the test limit						25	8.7	65.0	19.0	56.3	56.1	62.0	53.3	53.1	32.0	2.0	i	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	9.7	65.0	18.5	55.3	54.5	62.0	52.3	51.5	30.4	i	i	i	i
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	13.9	65.0	16.0	51.1	49.5	62.0	48.1	46.5	24.4	i	i	i	i
	If FEXT is < 70 dB, not evaluated against the test limit						100	17.7	65.0	14.0	47.3	46.0	62.0	44.3	43.0	20.3	i	i	i	i
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	25.6	61.9	11.0	36.3	40.9	58.9	33.3	37.9	14.3	i	i	i	i
i if shielded	Informational measurement only if using shielded cable						250	28.8	60.4	10.0	31.6	39.2	57.4	28.6	36.2	12.3	i	i	i	i
							350	34.6	58.2	10.0	23.6	36.7	55.2	20.6	33.7	i	i	i	i	i
							450	39.7	56.6	10.0	16.9	34.8	53.6	13.9	31.8	i	i	i	i	i
							500	42.1	55.9	10.0	13.8	34.0	52.9	10.8	31.0	i	i	i	i	i
							600	46.6	54.7	10.0	8.1	32.6	51.7	5.1	29.6	i	i	i	i	i
							700	i	i	i	i	i	i	i	i	i	i	i	i	i
							800	i	i	i	i	i	i	i	i	i	i	i	i	i
							900	i	i	i	i	i	i	i	i	i	i	i	i	i
							1000	i	i	i	i	i	i	i	i	i	i	i	i	i

GB/T 50312-2016 Cat 7 Ch

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	CMRL
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	None	None	100	555	30	1	4.0	65.0	19.0	61.0	65.0	62.0	58.0	62.0					
3,6 - 3,6							4	4.1	65.0	19.0	60.9	65.0	62.0	57.9	62.0					
4,5 - 4,5							8	5.7	65.0	19.0	59.3	62.4	62.0	56.3	59.4					
7,8 - 7,8							10	6.4	65.0	19.0	58.6	60.8	62.0	55.6	57.8					
							16	8.1	65.0	18.0	56.9	57.5	62.0	53.9	54.5					
	Not evaluated against the test limit						20	9.1	65.0	17.5	55.9	55.9	62.0	52.9	52.9					
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	10.2	65.0	17.0	54.8	54.4	62.0	51.8	51.4					
	If Insertion Loss < 4 dB, not evaluated against the test limit						31.25	11.4	65.0	16.5	53.6	52.8	62.0	50.6	49.8					
	If FEXT is < 70 dB, not evaluated against the test limit						62.5	16.3	65.0	14.0	48.7	47.8	62.0	45.7	44.8					
	If PS FEXT is < 70 dB, not evaluated against the test limit						100	20.8	62.9	12.0	42.1	44.4	59.9	39.1	41.4					
i	Informational measurement only, no limit available						200	30.0	58.3	9.0	28.4	39.4	55.3	25.4	36.4					
							250	33.8	56.9	8.0	23.1	37.8	53.9	20.1	34.8					
							350	40.5	54.7	8.0	14.2	35.3	51.7	11.2	32.3					
							450	46.5	53.1	8.0	6.5	33.4	50.1	3.5	30.4					
							500	49.3	52.4	8.0	3.1	32.6	49.4	0.1	29.6					
							600	54.6	51.2	8.0	-3.4	31.3	48.2	-6.4	28.3					
							700	i	i	i	i	i	i	i	i					
							800	i	i	i	i	i	i	i	i					
							900	i	i	i	i	i	i	i	i					
							1000	i	i	i	i	i	i	i	i					

GB/T 50312-2016 Cat 7 Ch (+All)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	CMRL
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	0.2 or 3.0	0.2 or 7.0	100	555	30	1	4.0	65.0	19.0	61.0	65.0	62.0	58.0	62.0	40.0	30.0	i	i	i
3,6 - 3,6							4	4.1	65.0	19.0	60.9	65.0	62.0	57.9	62.0	40.0	18.0	i	i	i
4,5 - 4,5							8	5.7	65.0	19.0	59.3	62.4	62.0	56.3	59.4	39.5	11.9	i	i	i
7,8 - 7,8							10	6.4	65.0	19.0	58.6	60.8	62.0	55.6	57.8	38.0	10.0	i	i	i
							16	8.1	65.0	18.0	56.9	57.5	62.0	53.9	54.5	34.9	5.9	i	i	i
i	Informational measurement only, no limit available						20	9.1	65.0	17.5	55.9	55.9	62.0	52.9	52.9	33.5	4.0	i	i	i
	Not evaluated against the test limit						25	10.2	65.0	17.0	54.8	54.4	62.0	51.8	51.4	32.0	2.0	i	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	11.4	65.0	16.5	53.6	52.8	62.0	50.6	49.8	30.4	i	i	i	i
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	16.3	65.0	14.0	48.7	47.8	62.0	45.7	44.8	24.4	i	i	i	i
	If FEXT is < 70 dB, not evaluated against the test limit						100	20.8	62.9	12.0	42.1	44.4	59.9	39.1	41.4	20.3	i	i	i	i
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	30.0	58.3	9.0	28.4	39.4	55.3	25.4	36.4	14.3	i	i	i	i
i if shielded	Informational measurement only if using shielded cable						250	33.8	56.9	8.0	23.1	37.8	53.9	20.1	34.8	12.3	i	i	i	i
							350	40.5	54.7	8.0	14.2	35.3	51.7	11.2	32.3	i	i	i	i	i
							450	46.5	53.1	8.0	6.5	33.4	50.1	3.5	30.4	i	i	i	i	i
							500	49.3	52.4	8.0	3.1	32.6	49.4	0.1	29.6	i	i	i	i	i
							600	54.6	51.2	8.0	-3.4	31.3	48.2	-6.4	28.3	i	i	i	i	i
							700	i	i	i	i	i	i	i	i	i	i	i	i	i
							800	i	i	i	i	i	i	i	i	i	i	i	i	i
							900	i	i	i	i	i	i	i	i	i	i	i	i	i
							1000	i	i	i	i	i	i	i	i	i	i	i	i	i

GB/T 50312-2016 Cat 6A PL no CP

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	CMRL
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	20.6	None	None	90	496	43	1	4.0	65.0	21.0	61.0	65.2	62.0	58.0	62.2					
3,6 - 3,6							4	4.0	64.1	21.0	60.1	53.2	61.8	57.8	50.2					
4,5 - 4,5							8	4.9	59.4	21.0	54.5	47.2	57.0	52.1	44.2					
7,8 - 7,8							10	5.5	57.8	21.0	52.4	45.2	55.5	50.0	42.2					
							16	6.9	54.6	20.0	47.7	41.2	52.2	45.3	38.2					
	Not evaluated against the test limit						20	7.7	53.1	19.5	45.3	39.2	50.7	43.0	36.2					
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	8.6	51.5	19.0	42.9	37.3	49.1	40.5	34.3					
	If Insertion Loss < 4 dB, not evaluated against the test limit						31.25	9.7	50.0	18.5	40.3	35.3	47.5	37.9	32.3					
	If FEXT is < 70 dB, not evaluated against the test limit						62.5	13.8	45.1	16.0	31.3	29.3	42.7	28.8	26.3					
	If PS FEXT is < 70 dB, not evaluated against the test limit						100	17.6	41.8	14.0	24.2	25.2	39.3	21.7	22.2					
	If Insertion Loss @ 450 MHz < 12 dB, then:						200	25.4	36.9	11.0	11.5	19.2	34.3	8.9	16.2					
							250	28.6	35.3	10.0	6.7	17.3	32.7	4.1	14.3					
							350	34.3	32.6	8.6	-1.7	14.4	29.9	-4.4	11.4					
							450	39.3	30.2	8.0	-9.1	12.2	27.4	-11.9	9.2					
							500	41.6	29.2	8.0	-12.4	11.3	26.4	-15.3	8.3					

Freq.	NEXT	PS NEXT
450	30.2	27.4
500	27.8	25.0

GB/T 50312-2016 Cat 6A PL no CP (+All)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	CMRL
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	20.6	0.15 or 3.0	0.2 or 7.0	90	496	43	1	4.0	65.0	21.0	61.0	65.2	62.0	58.0	62.2	40.0	30.0	i	i	i
3,6 - 3,6							4	4.0	64.1	21.0	60.1	53.2	61.8	57.8	50.2	40.0	18.0	i	i	i
4,5 - 4,5							8	4.9	59.4	21.0	54.5	47.2	57.0	52.1	44.2	39.5	11.9	i	i	i
7,8 - 7,8							10	5.5	57.8	21.0	52.4	45.2	55.5	50.0	42.2	38.0	10.0	i	i	i
	Not evaluated against the test limit						16	6.9	54.6	20.0	47.7	41.2	52.2	45.3	38.2	34.9	5.9	i	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						20	7.7	53.1	19.5	45.3	39.2	50.7	43.0	36.2	33.5	4.0	i	i	i
	If Insertion Loss < 4 dB, not evaluated against the test limit						25	8.6	51.5	19.0	42.9	37.3	49.1	40.5	34.3	32.0	2.0	i	i	i
	If FEXT is < 70 dB, not evaluated against the test limit						31.25	9.7	50.0	18.5	40.3	35.3	47.5	37.9	32.3	30.4	i	i	i	i
	If PS FEXT is < 70 dB, not evaluated against the test limit						62.5	13.8	45.1	16.0	31.3	29.3	42.7	28.8	26.3	24.4	i	i	i	i
	If Insertion Loss @ 450 MHz < 12 dB, then:						100	17.6	41.8	14.0	24.2	25.2	39.3	21.7	22.2	20.3	i	i	i	i
i	Informational measurement only, no limit available						200	25.4	36.9	11.0	11.5	19.2	34.3	8.9	16.2	14.3	i	i	i	i
i if shielded	Informational measurement only if using shielded cable						250	28.6	35.3	10.0	6.7	17.3	32.7	4.1	14.3	12.3	i	i	i	i
							350	34.3	32.6	8.6	-1.7	14.4	29.9	-4.4	11.4	i	i	i	i	i
							450	39.3	30.2	8.0	-9.1	12.2	27.4	-11.9	9.2	i	i	i	i	i
							500	41.6	29.2	8.0	-12.4	11.3	26.4	-15.3	8.3	i	i	i	i	i

Freq.	NEXT	PS NEXT
450	30.2	27.4
500	27.8	25.0

GB/T 50312-2016 Cat 6A PL with CP

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	CMRL
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21	None	None	90	498	44	1	4.0	65.0	21.0	61.0	64.2	62.0	58.0	61.2					
3,6 - 3,6							4	4.0	64.1	21.0	60.1	52.1	61.8	57.8	49.1					
4,5 - 4,5							8	4.9	59.4	21.0	54.4	46.1	57.0	52.1	43.1					
7,8 - 7,8							10	5.5	57.8	21.0	52.3	44.2	55.5	50.0	41.2					
							16	7.0	54.6	20.0	47.6	40.1	52.2	45.2	37.1					
	Not evaluated against the test limit						20	7.8	53.1	19.5	45.3	38.2	50.7	42.9	35.2					
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	8.7	51.5	19.0	42.8	36.2	49.1	40.4	33.2					
	If Insertion Loss < 4 dB, not evaluated against the test limit						31.25	9.8	50.0	18.5	40.2	34.3	47.5	37.8	31.3					
	If FEXT is < 70 dB, not evaluated against the test limit						62.5	14.0	45.1	16.0	31.2	28.3	42.7	28.7	25.3					
	If PS FEXT is < 70 dB, not evaluated against the test limit						100	17.8	41.8	14.0	24.0	24.2	39.3	21.5	21.2					
	If Insertion Loss @ 450 MHz < 12 dB, then:						200	25.7	36.9	11.0	11.3	18.2	34.3	8.7	15.2					
							250	28.9	35.3	10.0	6.4	16.2	32.7	3.8	13.2					
							350	34.6	32.2	8.6	-2.5	13.3	29.4	-5.2	10.3					
							450	39.7	29.2	8.0	-10.6	11.1	26.2	-13.5	8.1					
							500	42.1	27.9	8.0	-14.2	10.2	24.8	-17.2	7.2					

GB/T 50312-2016 Cat 6A PL with CP (+All)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	CMRL
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21	0.15 or 3.0	0.2 or 7.0	90	498	44	1	4.0	65.0	21.0	61.0	64.2	62.0	58.0	61.2	40.0	30.0	i	i	i
3,6 - 3,6							4	4.0	64.1	21.0	60.1	52.1	61.8	57.8	49.1	40.0	18.0	i	i	i
4,5 - 4,5							8	4.9	59.4	21.0	54.4	46.1	57.0	52.1	43.1	39.5	11.9	i	i	i
7,8 - 7,8							10	5.5	57.8	21.0	52.3	44.2	55.5	50.0	41.2	38.0	10.0	i	i	i
							16	7.0	54.6	20.0	47.6	40.1	52.2	45.2	37.1	34.9	5.9	i	i	i
	Not evaluated against the test limit						20	7.8	53.1	19.5	45.3	38.2	50.7	42.9	35.2	33.5	4.0	i	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	8.7	51.5	19.0	42.8	36.2	49.1	40.4	33.2	32.0	2.0	i	i	i
	If Insertion Loss < 4 dB, not evaluated against the test limit						31.25	9.8	50.0	18.5	40.2	34.3	47.5	37.8	31.3	30.4	i	i	i	i
	If FEXT is < 70 dB, not evaluated against the test limit						62.5	14.0	45.1	16.0	31.2	28.3	42.7	28.7	25.3	24.4	i	i	i	i
	If PS FEXT is < 70 dB, not evaluated against the test limit						100	17.8	41.8	14.0	24.0	24.2	39.3	21.5	21.2	20.3	i	i	i	i
	If Insertion Loss @ 450 MHz < 12 dB, then:						200	25.7	36.9	11.0	11.3	18.2	34.3	8.7	15.2	14.3	i	i	i	i
i	Informational measurement only, no limit available						250	28.9	35.3	10.0	6.4	16.2	32.7	3.8	13.2	12.3	i	i	i	i
i if shielded	Informational measurement only if using shielded cable						350	34.6	32.2	8.6	-2.5	13.3	29.4	-5.2	10.3	i	i	i	i	i
							450	39.7	29.2	8.0	-10.6	11.1	26.2	-13.5	8.1	i	i	i	i	i
							500	42.1	27.9	8.0	-14.2	10.2	24.8	-17.2	7.2	i	i	i	i	i

GB/T 50312-2016 Cat 6A Ch

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	CMRL
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	None	None	100	555	50	1	4.0	65.0	19.0	61.0	63.3	62.0	58.0	60.3					
3,6 - 3,6							4	4.2	63.0	19.0	58.9	51.2	60.5	56.4	48.2					
4,5 - 4,5							8	5.8	58.2	19.0	52.4	45.2	55.6	49.8	42.2					
7,8 - 7,8							10	6.5	56.6	19.0	50.1	43.3	54.0	47.5	40.3					
							16	8.2	53.2	18.0	45.0	39.2	50.6	42.4	36.2					
	Not evaluated against the test limit						20	9.2	51.6	17.5	42.5	37.2	49.0	39.8	34.2					
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	10.2	50.0	17.0	39.8	35.3	47.3	37.1	32.3					
	If Insertion Loss < 4 dB, not evaluated against the test limit						31.25	11.5	48.4	16.5	36.9	33.4	45.7	34.2	30.4					
	If FEXT is < 70 dB, not evaluated against the test limit						62.5	16.4	43.4	14.0	27.0	27.3	40.6	24.2	24.3					
	If PS FEXT is < 70 dB, not evaluated against the test limit						100	20.9	39.9	12.0	19.0	23.3	37.1	16.2	20.3					
	If Insertion Loss @ 450 MHz < 12 dB, then:						200	30.1	34.8	9.0	4.7	17.2	31.9	1.8	14.2					
							250	33.9	33.1	8.0	-0.8	15.3	30.2	-3.7	12.3					
							350	40.6	30.6	6.6	-10.0	12.4	27.6	-13.0	9.4					
							450	46.5	28.7	6.0	-17.9	10.2	25.7	-20.9	7.2					
							500	49.3	27.9	6.0	-21.4	9.3	24.8	-24.5	6.3					

Freq.	NEXT	PS NEXT
450	30.2	27.4
500	27.8	25.0

GB/T 50312-2016 Cat 6A Ch (+All)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	CMRL
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	0.2 or 3.0	0.2 or 7.0	100	555	50	1	4.0	65.0	19.0	61.0	63.3	62.0	58.0	60.3	40.0	30.0	i	i	i
3,6 - 3,6							4	4.2	63.0	19.0	58.9	51.2	60.5	56.4	48.2	40.0	18.0	i	i	i
4,5 - 4,5							8	5.8	58.2	19.0	52.4	45.2	55.6	49.8	42.2	39.5	11.9	i	i	i
7,8 - 7,8							10	6.5	56.6	19.0	50.1	43.3	54.0	47.5	40.3	38.0	10.0	i	i	i
	Not evaluated against the test limit						16	8.2	53.2	18.0	45.0	39.2	50.6	42.4	36.2	34.9	5.9	i	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						20	9.2	51.6	17.5	42.5	37.2	49.0	39.8	34.2	33.5	4.0	i	i	i
	If Insertion Loss < 4 dB, not evaluated against the test limit						25	10.2	50.0	17.0	39.8	35.3	47.3	37.1	32.3	32.0	2.0	i	i	i
	If FEXT is < 70 dB, not evaluated against the test limit						31.25	11.5	48.4	16.5	36.9	33.4	45.7	34.2	30.4	30.4	i	i	i	i
	If PS FEXT is < 70 dB, not evaluated against the test limit						62.5	16.4	43.4	14.0	27.0	27.3	40.6	24.2	24.3	24.4	i	i	i	i
	If Insertion Loss @ 450 MHz < 12 dB, then:						100	20.9	39.9	12.0	19.0	23.3	37.1	16.2	20.3	20.3	i	i	i	i
i	Informational measurement only, no limit available						200	30.1	34.8	9.0	4.7	17.2	31.9	1.8	14.2	14.3	i	i	i	i
i if shielded	Informational measurement only if using shielded cable						250	33.9	33.1	8.0	-0.8	15.3	30.2	-3.7	12.3	12.3	i	i	i	i
							350	40.6	30.6	6.6	-10.0	12.4	27.6	-13.0	9.4	i	i	i	i	i
							450	46.5	28.7	6.0	-17.9	10.2	25.7	-20.9	7.2	i	i	i	i	i
							500	49.3	27.9	6.0	-21.4	9.3	24.8	-24.5	6.3	i	i	i	i	i

Freq.	NEXT	PS NEXT
450	30.2	27.4
500	27.8	25.0

GB/T 50312-2016 Cat 6 PL

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	CMRL
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21	None	None	90	498	44	1	4.0	65.0	21.0	61.0	64.2	62.0	58.0	61.2					
3,6 - 3,6							4	4.0	64.1	21.0	60.1	52.1	61.8	57.8	49.1					
4,5 - 4,5							8	5.0	59.4	21.0	54.4	46.1	57.0	52.0	43.1					
7,8 - 7,8							10	5.6	57.8	21.0	52.2	44.2	55.5	49.9	41.2					
							16	7.1	54.6	20.0	47.5	40.1	52.2	45.1	37.1					
	Not evaluated against the test limit						20	7.9	53.1	19.5	45.1	38.2	50.7	42.7	35.2					
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	8.9	51.5	19.0	42.6	36.2	49.1	40.2	33.2					
	If Insertion Loss < 4 dB, not evaluated against the test limit						31.25	10.0	50.0	18.5	40.0	34.3	47.5	37.5	31.3					
	If FEXT is < 70 dB, not evaluated against the test limit						62.5	14.4	45.1	16.0	30.7	28.3	42.7	28.2	25.3					
	If PS FEXT is < 70 dB, not evaluated against the test limit						100	18.5	41.8	14.0	23.3	24.2	39.3	20.8	21.2					
	If Insertion Loss @ 450 MHz < 12 dB, then:						200	27.1	36.9	11.0	9.9	18.2	34.3	7.2	15.2					
i	Informational measurement only, no limit available						250	30.7	35.3	10.0	4.7	16.2	32.7	2.0	13.2					
							350	i	i	i	i	i	i	i	i					

GB/T 50312-2016 Cat 6 PL (+All)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	CMRL
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21	0.15 or 3.0	0.2 or 7.0	90	498	44	1	4.0	65.0	21.0	61.0	64.2	62.0	58.0	61.2	40.0	30.0	i	i	i
3,6 - 3,6							4	4.0	64.1	21.0	60.1	52.1	61.8	57.8	49.1	40.0	18.0	i	i	i
4,5 - 4,5							8	5.0	59.4	21.0	54.4	46.1	57.0	52.0	43.1	39.5	11.9	i	i	i
7,8 - 7,8							10	5.6	57.8	21.0	52.2	44.2	55.5	49.9	41.2	38.0	10.0	i	i	i
							16	7.1	54.6	20.0	47.5	40.1	52.2	45.1	37.1	34.9	5.9	i	i	i
	Not evaluated against the test limit						20	7.9	53.1	19.5	45.1	38.2	50.7	42.7	35.2	33.5	4.0	i	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	8.9	51.5	19.0	42.6	36.2	49.1	40.2	33.2	32.0	2.0	i	i	i
	If Insertion Loss < 4 dB, not evaluated against the test limit						31.25	10.0	50.0	18.5	40.0	34.3	47.5	37.5	31.3	30.4	i	i	i	i
	If FEXT is < 70 dB, not evaluated against the test limit						62.5	14.4	45.1	16.0	30.7	28.3	42.7	28.2	25.3	24.4	i	i	i	i
	If PS FEXT is < 70 dB, not evaluated against the test limit						100	18.5	41.8	14.0	23.3	24.2	39.3	20.8	21.2	20.3	i	i	i	i
	If Insertion Loss @ 450 MHz < 12 dB, then:						200	27.1	36.9	11.0	9.9	18.2	34.3	7.2	15.2	14.3	i	i	i	i
i	Informational measurement only, no limit available						250	30.7	35.3	10.0	4.7	16.2	32.7	2.0	13.2	12.3	i	i	i	i
i if shielded	Informational measurement only if using shielded cable						350	i	i	i	i	i	i	i	i	i	i	i	i	i

GB/T 50312-2016 Cat 6 Ch

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	CMRL
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	None	None	100	555	50	1	4.0	65.0	19.0	61.0	63.3	62.0	58.0	60.3					
3,6 - 3,6							4	4.2	63.0	19.0	58.9	51.2	60.5	56.4	48.2					
4,5 - 4,5							8	5.9	58.2	19.0	52.3	45.2	55.6	49.7	42.2					
7,8 - 7,8							10	6.6	56.6	19.0	50.0	43.3	54.0	47.4	40.3					
							16	8.3	53.2	18.0	44.9	39.2	50.6	42.3	36.2					
	Not evaluated against the test limit						20	9.3	51.6	17.5	42.3	37.2	49.0	39.7	34.2					
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	10.5	50.0	17.0	39.6	35.3	47.3	36.9	32.3					
	If Insertion Loss < 4 dB, not evaluated against the test limit						31.25	11.7	48.4	16.5	36.7	33.4	45.7	34.0	30.4					
	If FEXT is < 70 dB, not evaluated against the test limit						62.5	16.9	43.4	14.0	26.5	27.3	40.6	23.7	24.3					
	If PS FEXT is < 70 dB, not evaluated against the test limit						100	21.7	39.9	12.0	18.2	23.3	37.1	15.4	20.3					
	If Insertion Loss @ 450 MHz < 12 dB, then:						200	31.7	34.8	9.0	3.1	17.2	31.9	0.1	14.2					
i	Informational measurement only, no limit available						250	35.9	33.1	8.0	-2.8	15.3	30.2	-5.8	12.3					
							350	i	i	i	i	i	i	i	i					

GB/T 50312-2016 Cat 6 Ch (+All)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	CMRL
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	0.2 or 3.0	0.2 or 7.0	100	555	50	1	4.0	65.0	19.0	61.0	63.3	62.0	58.0	60.3	40.0	30.0	i	i	i
3,6 - 3,6							4	4.2	63.0	19.0	58.9	51.2	60.5	56.4	48.2	40.0	18.0	i	i	i
4,5 - 4,5							8	5.9	58.2	19.0	52.3	45.2	55.6	49.7	42.2	39.5	11.9	i	i	i
7,8 - 7,8							10	6.6	56.6	19.0	50.0	43.3	54.0	47.4	40.3	38.0	10.0	i	i	i
							16	8.3	53.2	18.0	44.9	39.2	50.6	42.3	36.2	34.9	5.9	i	i	i
	Not evaluated against the test limit						20	9.3	51.6	17.5	42.3	37.2	49.0	39.7	34.2	33.5	4.0	i	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	10.5	50.0	17.0	39.6	35.3	47.3	36.9	32.3	32.0	2.0	i	i	i
	If Insertion Loss < 4 dB, not evaluated against the test limit						31.25	11.7	48.4	16.5	36.7	33.4	45.7	34.0	30.4	30.4	i	i	i	i
	If FEXT is < 70 dB, not evaluated against the test limit						62.5	16.9	43.4	14.0	26.5	27.3	40.6	23.7	24.3	24.4	i	i	i	i
	If PS FEXT is < 70 dB, not evaluated against the test limit						100	21.7	39.9	12.0	18.2	23.3	37.1	15.4	20.3	20.3	i	i	i	i
	If Insertion Loss @ 450 MHz < 12 dB, then:						200	31.7	34.8	9.0	3.1	17.2	31.9	0.1	14.2	14.3	i	i	i	i
i	Informational measurement only, no limit available						250	35.9	33.1	8.0	-2.8	15.3	30.2	-5.8	12.3	12.3	i	i	i	i
							350	i	i	i	i	i	i	i	i	i	i	i	i	i

GB/T 50312-2016 Cat 5e PL

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	CMRL
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21	None	None	90	498	44	1	4.0	60.0	19.0	56.0	58.6	57.0	53.0	55.6					
3,6 - 3,6							4	4.0	54.8	19.0	50.8	46.6	51.8	47.8	43.6					
4,5 - 4,5							8	5.4	50.0	19.0	44.6	40.6	47.0	41.6	37.6					
7,8 - 7,8							10	6.1	48.5	19.0	42.4	38.6	45.5	39.4	35.6					
							16	7.7	45.2	19.0	37.5	34.5	42.2	34.5	31.5					
	Not evaluated against the test limit						20	8.7	43.7	19.0	35.0	32.6	40.7	32.0	29.6					
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	9.7	42.1	18.0	32.4	30.7	39.1	29.4	27.7					
	If Insertion Loss < 4 dB, not evaluated against the test limit						31.25	10.9	40.5	17.1	29.6	28.7	37.5	26.6	25.7					
	If FEXT is < 70 dB, not evaluated against the test limit						62.5	15.8	35.7	14.0	19.8	22.7	32.7	16.8	19.7					
	If PS FEXT is < 70 dB, not evaluated against the test limit						100	20.4	32.3	12.0	11.9	18.6	29.3	8.9	15.6					
	If Insertion Loss @ 450 MHz < 12 dB, then:						200	i	i	i	i	i	i	i	i					
i	Informational measurement only, no limit available						250	i	i	i	i	i	i	i	i					
							350	i	i	i	i	i	i	i	i					

GB/T 50312-2016 Cat 5e PL (+All)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	CMRL
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21	0.15 or 3.0	0.2 or 7.0	90	498	44	1	4.0	60.0	19.0	56.0	58.6	57.0	53.0	55.6	40.0	30.0	i	i	i
3,6 - 3,6							4	4.0	54.8	19.0	50.8	46.6	51.8	47.8	43.6	40.0	18.0	i	i	i
4,5 - 4,5							8	5.4	50.0	19.0	44.6	40.6	47.0	41.6	37.6	39.5	11.9	i	i	i
7,8 - 7,8							10	6.1	48.5	19.0	42.4	38.6	45.5	39.4	35.6	38.0	10.0	i	i	i
							16	7.7	45.2	19.0	37.5	34.5	42.2	34.5	31.5	34.9	5.9	i	i	i
	Not evaluated against the test limit						20	8.7	43.7	19.0	35.0	32.6	40.7	32.0	29.6	33.5	4.0	i	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	9.7	42.1	18.0	32.4	30.7	39.1	29.4	27.7	32.0	2.0	i	i	i
	If Insertion Loss < 4 dB, not evaluated against the test limit						31.25	10.9	40.5	17.1	29.6	28.7	37.5	26.6	25.7	30.4	i	i	i	i
	If FEXT is < 70 dB, not evaluated against the test limit						62.5	15.8	35.7	14.0	19.8	22.7	32.7	16.8	19.7	24.4	i	i	i	i
	If PS FEXT is < 70 dB, not evaluated against the test limit						100	20.4	32.3	12.0	11.9	18.6	29.3	8.9	15.6	20.3	i	i	i	i
	If Insertion Loss @ 450 MHz < 12 dB, then:						200	i	i	i	i	i	i	i	i	i	i	i	i	i
i	Informational measurement only, no limit available						250	i	i	i	i	i	i	i	i	i	i	i	i	i
i if shielded	Informational measurement only if using shielded cable						350	i	i	i	i	i	i	i	i	i	i	i	i	i

GB/T 50312-2016 Cat 5e Ch

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	CMRL
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	None	None	100	555	50	1	4.0	60.0	17.0	56.0	57.4	57.0	53.0	54.4					
3,6 - 3,6							4	4.5	53.5	17.0	49.0	45.4	50.5	46.0	42.4					
4,5 - 4,5							8	6.4	48.6	17.0	42.2	39.3	45.6	39.2	36.3					
7,8 - 7,8							10	7.2	47.0	17.0	39.8	37.4	44.0	36.8	34.4					
							16	9.1	43.6	17.0	34.5	33.3	40.6	31.5	30.3					
	Not evaluated against the test limit						20	10.2	42.0	17.0	31.8	31.4	39.0	28.8	28.4					
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	11.5	40.3	16.0	28.9	29.4	37.3	25.9	26.4					
	If Insertion Loss < 4 dB, not evaluated against the test limit						31.25	12.9	38.7	15.1	25.8	27.5	35.7	22.8	24.5					
	If FEXT is < 70 dB, not evaluated against the test limit						62.5	18.6	33.6	12.0	15.0	21.5	30.6	12.0	18.5					
	If PS FEXT is < 70 dB, not evaluated against the test limit						100	24.0	30.1	10.0	6.1	17.4	27.1	3.1	14.4					
	If Insertion Loss @ 450 MHz < 12 dB, then:						200	i	i	i	i	i	i	i	i					
i	Informational measurement only, no limit available						250	i	i	i	i	i	i	i	i					
							350	i	i	i	i	i	i	i	i					

GB/T 50312-2016 Cat 5e Ch (+All)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	CMRL
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	0.2 or 3.0	0.2 or 7.0	100	555	50	1	4.0	60.0	17.0	56.0	57.4	57.0	53.0	54.4	40.0	30.0	i	i	i
3,6 - 3,6							4	4.5	53.5	17.0	49.0	45.4	50.5	46.0	42.4	40.0	18.0	i	i	i
4,5 - 4,5							8	6.4	48.6	17.0	42.2	39.3	45.6	39.2	36.3	39.5	11.9	i	i	i
7,8 - 7,8							10	7.2	47.0	17.0	39.8	37.4	44.0	36.8	34.4	38.0	10.0	i	i	i
							16	9.1	43.6	17.0	34.5	33.3	40.6	31.5	30.3	34.9	5.9	i	i	i
	Not evaluated against the test limit						20	10.2	42.0	17.0	31.8	31.4	39.0	28.8	28.4	33.5	4.0	i	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	11.5	40.3	16.0	28.9	29.4	37.3	25.9	26.4	32.0	2.0	i	i	i
	If Insertion Loss < 4 dB, not evaluated against the test limit						31.25	12.9	38.7	15.1	25.8	27.5	35.7	22.8	24.5	30.4	i	i	i	i
	If FEXT is < 70 dB, not evaluated against the test limit						62.5	18.6	33.6	12.0	15.0	21.5	30.6	12.0	18.5	24.4	i	i	i	i
	If PS FEXT is < 70 dB, not evaluated against the test limit						100	24.0	30.1	10.0	6.1	17.4	27.1	3.1	14.4	20.3	i	i	i	i
	If Insertion Loss @ 450 MHz < 12 dB, then:						200	i	i	i	i	i	i	i	i	i	i	i	i	i
i	Informational measurement only, no limit available						250	i	i	i	i	i	i	i	i	i	i	i	i	i
i if shielded	Informational measurement only if using shielded cable						350	i	i	i	i	i	i	i	i	i	i	i	i	i

GB/T 50312-2016 Cat 3 PL

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	CMRL
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	34	None	None	90	498	44	1	4.0	40.1	15.0	36.1									
3,6 - 3,6							4	6.4	30.6	15.0	24.2									
4,5 - 4,5							8	8.8	25.8	15.0	17.0									
7,8 - 7,8							10	9.8	24.3	15.0	14.5									
							16	12.2	21.1	15.0	8.8									
	Not evaluated against the test limit						20	i	i	i	i									
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	i	i	i	i									
	If Insertion Loss < 4 dB, not evaluated against the test limit						31.25	i	i	i	i									
i	Informational measurement only, no limit available						62.5	i	i	i	i									
							100	i	i	i	i									
							200	i	i	i	i									
							250	i	i	i	i									
							350	i	i	i	i									

GB/T 50312-2016 Cat 3 Ch

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	CMRL
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	40	None	None	100	555	50	1	4.2	39.1	15.0	34.9									
3,6 - 3,6							4	7.6	29.2	15.0	21.6									
4,5 - 4,5							8	10.4	24.3	15.0	13.9									
7,8 - 7,8							10	11.5	22.7	15.0	11.2									
							16	14.4	19.4	15.0	5.0									
	Not evaluated against the test limit						20	i	i	i	i									
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	i	i	i	i									
	If Insertion Loss < 4 dB, not evaluated against the test limit						31.25	i	i	i	i									
i	Informational measurement only, no limit available						62.5	i	i	i	i									
							100	i	i	i	i									
							200	i	i	i	i									
							250	i	i	i	i									
							350	i	i	i	i									

YD/T 1019 7A Cable 100m (LA)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	CMRL
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	19	None	None	100	545	25	1	i	i	i		i	i		i	50	35			
3,6 - 3,6							4	3.7	78.0	23.0		78.0	75.0		75.0	44.0	23.0			
4,5 - 4,5							8	5.2	78.0	24.5		77.2	75.0		74.2	41.0	16.9			
7,8 - 7,8							10	5.8	78.0	25.0		75.3	75.0		72.3	40.0	15.0			
							16	7.3	78.0	25.0		71.2	75.0		68.2	38.0	10.9			
	Not evaluated against the test limit						20	8.2	78.0	25.0		69.3	75.0		66.3	37.0	9.0			
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	9.2	78.0	24.3		67.3	75.0		64.3	36.0	7.0			
	If FEXT is < 70 dB, not evaluated against the test limit						31.25	10.3	78.0	23.6		65.4	75.0		62.4	35.1	i			
	If PS FEXT is < 67 dB, not evaluated against the test limit						62.5	14.6	78.0	21.5		59.4	75.0		56.4	32.0	i			
i	Informational measurement only, no limit available						100	18.5	75.4	20.1		55.3	72.4		52.3	30.0	i			
i if shielded	Informational measurement only if using shielded cable						200	26.5	70.9	18.0		49.3	67.9		46.3	27.0	i			
							250	29.7	69.4	17.3		47.3	66.4		44.3	26.0	i			
							350	35.4	67.2	17.3		44.4	64.2		41.4	i	i			
							450	40.4	65.6	17.3		42.2	62.6		39.2	i	i			
							500	42.8	64.9	17.3		41.3	61.9		38.3	i	i			
							600	47.1	63.7	17.3		39.7	60.7		36.7	i	i			
							700	51.1	62.7	16.6		38.4	59.7		35.4	i	i			
							800	54.9	61.9	16.1		37.2	58.9		34.2	i	i			
							900	58.5	61.1	15.5		36.2	58.1		33.2	i	i			
							1000	61.9	60.4	15.1		35.3	57.4		32.3	i	i			

YD/T 1019 7 Cable 100m (LA)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	CMRL
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	19	None	None	100	545	25	1	i	i	i		i	i		i	50	35			
3,6 - 3,6							4	3.7	78.0	23.0		78.0	75.0		75.0	44.0	23.0			
4,5 - 4,5							8	5.2	78.0	24.5		77.2	75.0		74.2	41.0	16.9			
7,8 - 7,8							10	5.9	78.0	25.0		75.3	75.0		72.3	40.0	15.0			
							16	7.4	78.0	25.0		71.2	75.0		68.2	38.0	10.9			
	Not evaluated against the test limit						20	8.3	78.0	25.0		69.3	75.0		66.3	37.0	9.0			
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	9.3	78.0	24.3		67.3	75.0		64.3	36.0	7.0			
	If FEXT is < 70 dB, not evaluated against the test limit						31.25	10.4	78.0	23.6		65.4	75.0		62.4	35.1	i			
	If PS FEXT is < 67 dB, not evaluated against the test limit						62.5	14.9	75.5	21.5		59.4	72.5		56.4	32.0	i			
i	Informational measurement only, no limit available						100	19.0	72.4	20.1		55.3	69.4		52.3	30.0	i			
i if shielded	Informational measurement only if using shielded cable						200	27.5	67.9	18.0		49.3	64.9		46.3	27.0	i			
							250	31.0	66.4	17.3		47.3	63.4		44.3	26.0	i			
							350	37.2	64.2	17.3		44.4	61.2		41.4	i	i			
							450	42.7	62.6	17.3		42.2	59.6		39.2	i	i			
							500	45.3	61.9	17.3		41.3	58.9		38.3	i	i			
							600	50.1	60.7	17.3		39.7	57.7		36.7	i	i			
							700	i	i	i		i	i		i	i	i			
							800	i	i	i		i	i		i	i	i			
							900	i	i	i		i	i		i	i	i			
							1000	i	i	i		i	i		i	i	i			

YD/T 1019 6A Cable 100m (LA)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	CMRL
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	19	None	None	100	545	45	1	i	i	i		i	i		i	50	35			
3,6 - 3,6							4	3.8	66.3	23.0		56.0	63.3		53.0	44.0	23.0			
4,5 - 4,5							8	5.3	61.8	24.5		49.9	58.8		46.9	41.0	16.9			
7,8 - 7,8							10	5.9	60.3	25.0		48.0	57.3		45.0	40.0	15.0			
							16	7.5	57.2	25.0		43.9	54.2		40.9	38.0	10.9			
	Not evaluated against the test limit						20	8.4	55.8	25.0		42.0	52.8		39.0	37.0	9.0			
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	9.4	54.3	24.3		40.0	51.3		37.0	36.0	7.0			
	If FEXT is < 70 dB, not evaluated against the test limit						31.25	10.5	52.9	23.6		38.1	49.9		35.1	35.1	i			
	If PS FEXT is < 67 dB, not evaluated against the test limit						62.5	15.0	48.4	21.5		32.1	45.4		29.1	32.0	i			
i	Informational measurement only, no limit available						100	19.1	45.3	20.1		28.0	42.3		25.0	30.0	i			
i if shielded	Informational measurement only if using shielded cable						200	27.6	40.8	18.0		22.0	37.8		19.0	27.0	i			
							250	31.1	39.3	17.3		20.0	36.3		17.0	26.0	i			
							350	37.2	37.1	17.3		17.1	34.1		14.1	i	i			
							450	42.7	35.5	17.3		14.9	32.5		11.9	i	i			
							500	45.3	34.8	17.3		14.0	31.8		11.0	i	i			

YD/T 1019 6 Cable 100m (LA)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	CMRL
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	19	None	None	100	545	45	1	i	i	i		i	i		i	50	35			
3,6 - 3,6							4	3.8	66.3	23.0		56.0	63.3		53.0	44.0	23.0			
4,5 - 4,5							8	5.3	61.8	24.5		49.9	58.8		46.9	41.0	16.9			
7,8 - 7,8							10	6.0	60.3	25.0		48.0	57.3		45.0	40.0	15.0			
							16	7.6	57.2	25.0		43.9	54.2		40.9	38.0	10.9			
	Not evaluated against the test limit						20	8.5	55.8	25.0		42.0	52.8		39.0	37.0	9.0			
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	9.5	54.3	24.3		40.0	51.3		37.0	36.0	7.0			
	If FEXT is < 70 dB, not evaluated against the test limit						31.25	10.7	52.9	23.6		38.1	49.9		35.1	35.1	i			
	If PS FEXT is < 67 dB, not evaluated against the test limit						62.5	15.4	48.4	21.5		32.1	45.4		29.1	32.0	i			
i	Informational measurement only, no limit available						100	19.8	45.3	20.1		28.0	42.3		25.0	30.0	i			
i if shielded	Informational measurement only if using shielded cable						200	29.0	40.8	18.0		22.0	37.8		19.0	27.0	i			
							250	32.8	39.3	17.3		20.0	36.3		17.0	26.0	i			
							350	i	i	i		i	i		i	i	i			

YD/T 1019 5e Cable 100m (LA)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	CMRL
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	19	None	None	100	545	45	1	i	i	i		i	i		i	50	35			
3,6 - 3,6							4	4.1	56.3	23.0		52.0	53.3		49.0	44.0	23.0			
4,5 - 4,5							8	5.8	51.8	24.5		45.9	48.8		42.9	41.0	16.9			
7,8 - 7,8							10	6.5	50.3	25.0		44.0	47.3		41.0	40.0	15.0			
							16	8.2	47.2	25.0		39.9	44.2		36.9	38.0	10.9			
	Not evaluated against the test limit						20	9.3	45.8	25.0		38.0	42.8		35.0	37.0	9.0			
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	10.4	44.3	24.3		36.0	41.3		33.0	36.0	7.0			
	If FEXT is < 70 dB, not evaluated against the test limit						31.25	11.7	42.9	23.6		34.1	39.9		31.1	35.1	i			
	If PS FEXT is < 67 dB, not evaluated against the test limit						62.5	17	38.4	21.5		28.1	35.4		25.1	32.0	i			
i	Informational measurement only, no limit available						100	22	35.3	20.1		24.0	32.3		21.0	30.0	i			
i if shielded	Informational measurement only if using shielded cable						200	i	i	i		i	i		i	i	i			
							250	i	i	i		i	i		i	i	i			
							350	i	i	i		i	i		i	i	i			

EN50173 PL2 Class Fa

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	20.6			90	496	25	1	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0				
3,6 - 3,6							4	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0				
4,5 - 4,5							8	4.8	65.0	21.0	60.2	65.0	62.0	57.2	62.0				
7,8 - 7,8							10	5.4	65.0	21.0	59.6	65.0	62.0	56.6	62.0				
							16	6.8	65.0	20.0	58.2	65.0	62.0	55.2	62.0				
							20	7.6	65.0	19.5	57.4	64.5	62.0	54.4	61.5				
	Not evaluated against the test limit						25	8.5	65.0	19.0	56.5	62.5	62.0	53.5	59.5				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	9.5	65.0	18.5	55.5	60.6	62.0	52.5	57.6				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	13.4	65.0	16.0	51.6	54.6	62.0	48.6	51.6				
	If FEXT is < 70 dB, not evaluated against the test limit						100	17.1	65.0	14.0	47.9	50.5	62.0	44.9	47.5				
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	24.4	63.5	11.0	39.1	44.5	60.5	36.1	41.5				
	If Insertion Loss @ 900 MHz is < 17 dB, then:						250	27.4	61.7	10.0	34.4	42.5	58.7	31.4	39.5				
							350	32.6	59.0	10.0	26.4	39.6	56.0	23.4	36.6				
							450	37.2	57.0	10.0	19.8	37.4	54.0	16.8	34.4				
							500	39.4	56.2	10.0	16.8	36.5	53.2	13.8	33.5				
							600	43.4	54.7	10.0	11.3	34.9	51.7	8.3	31.9				
							700	47.1	53.0	9.5	6.4	33.6	50.0	3.4	30.6				
							800	50.6	51.5	9.0	1.8	32.4	48.5	-1.2	29.4				
							900	53.9	50.3	8.5	-2.4	31.4	47.3	-5.4	28.4				
							1000	57.0	49.1	8.0	-6.4	30.5	46.1	-9.4	27.5				

Freq.	NEXT	PS NEXT
900	50.3	47.3
1000	46.3	43.3

EN50173 PL3 Class Fa

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21			90	498	26	1	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0				
3,6 - 3,6							4	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0				
4,5 - 4,5							8	4.9	65.0	21.0	60.1	65.0	62.0	57.1	62.0				
7,8 - 7,8							10	5.4	65.0	21.0	59.6	65.0	62.0	56.6	62.0				
							16	6.8	65.0	20.0	58.2	64.7	62.0	55.2	61.7				
							20	7.7	65.0	19.5	57.3	62.8	62.0	54.3	59.8				
	Not evaluated against the test limit						25	8.6	65.0	19.0	56.4	60.8	62.0	53.4	57.8				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	9.6	65.0	18.5	55.4	58.9	62.0	52.4	55.9				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	13.6	65.0	16.0	51.4	52.9	62.0	48.4	49.9				
	If FEXT is < 70 dB, not evaluated against the test limit						100	17.3	65.0	14.0	47.7	48.8	62.0	44.7	45.8				
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	24.7	63.5	11.0	38.9	42.8	60.5	35.9	39.8				
							250	27.7	61.7	10.0	34.0	40.8	58.7	31.0	37.8				
							350	33.0	59.0	10.0	26.0	37.9	56.0	23.0	34.9				
							450	37.7	57.0	10.0	19.3	35.7	54.0	16.3	32.7				
							500	39.8	56.2	10.0	16.3	34.8	53.2	13.3	31.8				
							600	43.9	54.7	10.0	10.8	33.2	51.7	7.8	30.2				
							700	47.6	52.6	9.5	5.9	31.9	49.6	2.9	28.9				
							800	51.1	50.9	9.0	1.3	30.7	47.9	-1.7	27.7				
							900	54.5	49.3	8.5	-3.0	29.7	46.3	-6.0	26.7				
							1000	57.6	47.9	8.0	-7.0	28.8	44.9	-10.0	25.8				

EN50173 PL Class F

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21			90	498	26	1	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0				
3,6 - 3,6							4	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0				
4,5 - 4,5							8	4.9	65.0	21.0	60.1	64.3	62.0	57.1	61.3				
7,8 - 7,8							10	5.5	65.0	21.0	59.5	62.7	62.0	56.5	59.7				
							16	6.9	65.0	20.0	58.1	59.3	62.0	55.1	56.3				
i	Informational measurement only, no limit available						20	7.7	65.0	19.5	57.3	57.7	62.0	54.3	54.7				
	Not evaluated against the test limit						25	8.7	65.0	19.0	56.3	56.1	62.0	53.3	53.1				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	9.7	65.0	18.5	55.3	54.5	62.0	52.3	51.5				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	13.9	65.0	16.0	51.1	49.5	62.0	48.1	46.5				
	If FEXT is < 70 dB, not evaluated against the test limit						100	17.7	65.0	14.0	47.3	46.0	62.0	44.3	43.0				
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	25.6	61.9	11.0	36.3	40.9	58.9	33.3	37.9				
							250	28.8	60.4	10.0	31.6	39.2	57.4	28.6	36.2				
							350	34.6	58.2	10.0	23.6	36.7	55.2	20.6	33.7				
							450	39.7	56.6	10.0	16.9	34.8	53.6	13.9	31.8				
							500	42.1	55.9	10.0	13.8	34.0	52.9	10.8	31.0				
							600	46.6	54.7	10.0	8.1	32.6	51.7	5.1	29.6				
							700	i	i	i	i	i	i	i	i				
							800	i	i	i	i	i	i	i	i				
							900	i	i	i	i	i	i	i	i				
							1000	i	i	i	i	i	i	i	i				

EN50173 PL2 Class Ea

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	20.6			90	496	43	1	4.0	65.0	21.0	61.0	65.2	62.0	58.0	62.2				
3,6 - 3,6							4	4.0	64.1	21.0	60.1	53.2	61.8	57.8	50.2				
4,5 - 4,5							8	4.9	59.4	21.0	54.5	47.2	57.0	52.1	44.2				
7,8 - 7,8							10	5.5	57.8	21.0	52.4	45.2	55.5	50.0	42.2				
							16	6.9	54.6	20.0	47.7	41.2	52.2	45.3	38.2				
							20	7.7	53.1	19.5	45.3	39.2	50.7	43.0	36.2				
	Not evaluated against the test limit						25	8.6	51.5	19.0	42.9	37.3	49.1	40.5	34.3				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	9.7	50.0	18.5	40.3	35.3	47.5	37.9	32.3				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	13.8	45.1	16.0	31.3	29.3	42.7	28.8	26.3				
	If FEXT is < 70 dB, not evaluated against the test limit						100	17.6	41.8	14.0	24.2	25.2	39.3	21.7	22.2				
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	25.4	36.9	11.0	11.5	19.2	34.3	8.9	16.2				
							250	28.6	35.3	10.0	6.7	17.3	32.7	4.1	14.3				
							350	34.3	32.6	8.6	-1.7	14.4	29.9	-4.4	11.4				
							450	39.3	30.2	8.0	-9.1	12.2	27.4	-11.9	9.2				
							500	41.6	29.2	8.0	-12.4	11.3	26.4	-15.3	8.3				

EN50173 PL3 Class Ea

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21			90	498	44	1	4.0	65.0	21.0	61.0	64.2	62.0	58.0	61.2				
3,6 - 3,6							4	4.0	64.1	21.0	60.1	52.1	61.8	57.8	49.1				
4,5 - 4,5							8	4.9	59.4	21.0	54.4	46.1	57.0	52.1	43.1				
7,8 - 7,8							10	5.5	57.8	21.0	52.3	44.2	55.5	50.0	41.2				
							16	7.0	54.6	20.0	47.6	40.1	52.2	45.2	37.1				
							20	7.8	53.1	19.5	45.3	38.2	50.7	42.9	35.2				
	Not evaluated against the test limit						25	8.7	51.5	19.0	42.8	36.2	49.1	40.4	33.2				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	9.8	50.0	18.5	40.2	34.3	47.5	37.8	31.3				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	14.0	45.1	16.0	31.2	28.3	42.7	28.7	25.3				
	If FEXT is < 70 dB, not evaluated against the test limit						100	17.8	41.8	14.0	24.0	24.2	39.3	21.5	21.2				
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	25.7	36.9	11.0	11.3	18.2	34.3	8.7	15.2				
							250	28.9	35.3	10.0	6.4	16.2	32.7	3.8	13.2				
							350	34.6	32.2	8.6	-2.5	13.3	29.4	-5.2	10.3				
							450	39.7	29.2	8.0	-10.6	11.1	26.2	-13.5	8.1				
							500	42.1	27.9	8.0	-14.2	10.2	24.8	-17.2	7.2				

EN50173 PL Class E

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21			90	498	44	1	4.0	65.0	21.0	61.0	64.2	62.0	58.0	61.2				
3,6 - 3,6							4	4.0	64.1	21.0	60.1	52.1	61.8	57.8	49.1				
4,5 - 4,5							8	5.0	59.4	21.0	54.4	46.1	57.0	52.0	43.1				
7,8 - 7,8							10	5.6	57.8	21.0	52.2	44.2	55.5	49.9	41.2				
							16	7.1	54.6	20.0	47.5	40.1	52.2	45.1	37.1				
i	Informational measurement only, no limit available						20	7.9	53.1	19.5	45.1	38.2	50.7	42.7	35.2				
	Not evaluated against the test limit						25	8.9	51.5	19.0	42.6	36.2	49.1	40.2	33.2				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	10.0	50.0	18.5	40.0	34.3	47.5	37.5	31.3				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	14.4	45.1	16.0	30.7	28.3	42.7	28.2	25.3				
	If FEXT is < 70 dB, not evaluated against the test limit						100	18.5	41.8	14.0	23.3	24.2	39.3	20.8	21.2				
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	27.1	36.9	11.0	9.9	18.2	34.3	7.2	15.2				
							250	30.7	35.3	10.0	4.7	16.2	32.7	2.0	13.2				
							350	i	i	i	i	i	i	i	i				

EN50173 PL Class D

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21			90	498	44	1	4.0	60.0	19.0	56.0	58.6	57.0	53.0	55.6				
3,6 - 3,6							4	4.0	54.8	19.0	50.8	46.6	51.8	47.8	43.6				
4,5 - 4,5							8	5.4	50.0	19.0	44.6	40.6	47.0	41.6	37.6				
7,8 - 7,8							10	6.1	48.5	19.0	42.4	38.6	45.5	39.4	35.6				
							16	7.7	45.2	19.0	37.5	34.5	42.2	34.5	31.5				
i	Informational measurement only, no limit available						20	8.7	43.7	19.0	35.0	32.6	40.7	32.0	29.6				
	Not evaluated against the test limit						25	9.7	42.1	18.0	32.4	30.7	39.1	29.4	27.7				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	10.9	40.5	17.1	29.6	28.7	37.5	26.6	25.7				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	15.8	35.7	14.0	19.8	22.7	32.7	16.8	19.7				
	If FEXT is < 70 dB, not evaluated against the test limit						100	20.4	32.3	12.0	11.9	18.6	29.3	8.9	15.6				
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	i	i	i	i	i	i	i	i				
							250	i	i	i	i	i	i	i	i				
							350	i	i	i	i	i	i	i	i				

EN50173 PL Class C

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	34			90	498	44	1	4.0	40.1	15.0	36.1								
3,6 - 3,6							4	6.4	30.6	15.0	24.2								
4,5 - 4,5							8	8.8	25.8	15.0	17.0								
7,8 - 7,8							10	9.8	24.3	15.0	14.5								
							16	12.2	21.1	15.0	8.8								
i	Informational measurement only, no limit available						20	i	i	i	i								
	Not evaluated against the test limit						25	i	i	i	i								
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	i	i	i	i								
							62.5	i	i	i	i								
							100	i	i	i	i								
							200	i	i	i	i								
							250	i	i	i	i								
							350	i	i	i	i								

EN50173 Channel Class Fa

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25			100	555	30	1	4.0	65.0	19.0	61.0	65.0	62.0	58.0	62.0				
3,6 - 3,6							4	4.1	65.0	19.0	60.9	65.0	62.0	57.9	62.0				
4,5 - 4,5							8	5.7	65.0	19.0	59.3	65.0	62.0	56.3	62.0				
7,8 - 7,8							10	6.4	65.0	19.0	58.6	65.0	62.0	55.6	62.0				
							16	8.0	65.0	18.0	57.0	63.3	62.0	54.0	60.3				
							20	9.0	65.0	17.5	56.0	61.4	62.0	53.0	58.4				
	Not evaluated against the test limit						25	10.0	65.0	17.0	55.0	59.4	62.0	52.0	56.4				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	11.2	65.0	16.5	53.8	57.5	62.0	50.8	54.5				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	15.9	65.0	14.0	49.1	51.5	62.0	46.1	48.5				
	If FEXT is < 70 dB, not evaluated against the test limit						100	20.3	65.0	12.0	44.7	47.4	62.0	41.7	44.4				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	28.9	60.9	9.0	32.0	41.4	57.9	29.0	38.4				
	If Insertion Loss @ 900 MHz is < 17 dB, then:						250	32.5	59.1	8.0	26.7	39.4	56.1	23.7	36.4				
							350	38.7	56.4	8.0	17.7	36.5	53.4	14.7	33.5				
							450	44.2	54.4	8.0	10.2	34.3	51.4	7.2	31.3				
							500	46.7	53.6	8.0	6.9	33.4	50.6	3.9	30.4				
							600	51.4	52.1	8.0	0.7	31.8	49.1	-2.3	28.8				
							700	55.8	50.8	7.5	-5.0	30.5	47.8	-8.0	27.5				
							800	59.9	49.7	7.0	-10.2	29.3	46.7	-13.2	26.3				
							900	63.8	48.8	6.5	-15.1	28.3	45.8	-18.1	25.3				
							1000	67.6	47.9	6.0	-19.6	27.4	44.9	-22.6	24.4				

Freq.	NEXT	PS NEXT
900	48.8	45.8
1000	45.1	42.1

EN50173 Channel Class F

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25			100	555	30	1	4.0	65.0	19.0	61.0	65.0	62.0	58.0	62.0				
3,6 - 3,6							4	4.1	65.0	19.0	60.9	65.0	62.0	57.9	62.0				
4,5 - 4,5							8	5.7	65.0	19.0	59.3	62.4	62.0	56.3	59.4				
7,8 - 7,8							10	6.4	65.0	19.0	58.6	60.8	62.0	55.6	57.8				
							16	8.1	65.0	18.0	56.9	57.5	62.0	53.9	54.5				
i	Informational measurement only, no limit available						20	9.1	65.0	17.5	55.9	55.9	62.0	52.9	52.9				
	Not evaluated against the test limit						25	10.2	65.0	17.0	54.8	54.4	62.0	51.8	51.4				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	11.4	65.0	16.5	53.6	52.8	62.0	50.6	49.8				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	16.3	65.0	14.0	48.7	47.8	62.0	45.7	44.8				
	If FEXT is < 70 dB, not evaluated against the test limit						100	20.8	62.9	12.0	42.1	44.4	59.9	39.1	41.4				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	30.0	58.3	9.0	28.4	39.4	55.3	25.4	36.4				
							250	33.8	56.9	8.0	23.1	37.8	53.9	20.1	34.8				
							350	40.5	54.7	8.0	14.2	35.3	51.7	11.2	32.3				
							450	46.5	53.1	8.0	6.5	33.4	50.1	3.5	30.4				
							500	49.3	52.4	8.0	3.1	32.6	49.4	0.1	29.6				
							600	54.6	51.2	8.0	-3.4	31.3	48.2	-6.4	28.3				
							700	i	i	i	i	i	i	i	i				
							800	i	i	i	i	i	i	i	i				
							900	i	i	i	i	i	i	i	i				
							1000	i	i	i	i	i	i	i	i				

EN50173 Channel Class Ea

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25			100	555	50	1	4.0	65.0	19.0	61.0	63.3	62.0	58.0	60.3				
3,6 - 3,6							4	4.2	63.0	19.0	58.9	51.2	60.5	56.4	48.2				
4,5 - 4,5							8	5.8	58.2	19.0	52.4	45.2	55.6	49.8	42.2				
7,8 - 7,8							10	6.5	56.6	19.0	50.1	43.3	54.0	47.5	40.3				
							16	8.2	53.2	18.0	45.0	39.2	50.6	42.4	36.2				
i	Informational measurement only, no limit available						20	9.2	51.6	17.5	42.5	37.2	49.0	39.8	34.2				
	Not evaluated against the test limit						25	10.2	50.0	17.0	39.8	35.3	47.3	37.1	32.3				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	11.5	48.4	16.5	36.9	33.4	45.7	34.2	30.4				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	16.4	43.4	14.0	27.0	27.3	40.6	24.2	24.3				
	If FEXT is < 70 dB, not evaluated against the test limit						100	20.9	39.9	12.0	19.0	23.3	37.1	16.2	20.3				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	30.1	34.8	9.0	4.7	17.2	31.9	1.8	14.2				
							250	33.9	33.1	8.0	-0.8	15.3	30.2	-3.7	12.3				
							350	40.6	30.6	6.6	-10.0	12.4	27.6	-13.0	9.4				
							450	46.5	28.7	6.0	-17.9	10.2	25.7	-20.9	7.2				
							500	49.3	27.9	6.0	-21.4	9.3	24.8	-24.5	6.3				

EN50173 Channel Class E

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25			100	555	50	1	4.0	65.0	19.0	61.0	63.3	62.0	58.0	60.3				
3,6 - 3,6							4	4.2	63.0	19.0	58.9	51.2	60.5	56.4	48.2				
4,5 - 4,5							8	5.9	58.2	19.0	52.3	45.2	55.6	49.7	42.2				
7,8 - 7,8							10	6.6	56.6	19.0	50.0	43.3	54.0	47.4	40.3				
							16	8.3	53.2	18.0	44.9	39.2	50.6	42.3	36.2				
i	Informational measurement only, no limit available						20	9.3	51.6	17.5	42.3	37.2	49.0	39.7	34.2				
	Not evaluated against the test limit						25	10.5	50.0	17.0	39.6	35.3	47.3	36.9	32.3				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	11.7	48.4	16.5	36.7	33.4	45.7	34.0	30.4				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	16.9	43.4	14.0	26.5	27.3	40.6	23.7	24.3				
	If FEXT is < 70 dB, not evaluated against the test limit						100	21.7	39.9	12.0	18.2	23.3	37.1	15.4	20.3				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	31.7	34.8	9.0	3.1	17.2	31.9	0.1	14.2				
							250	35.9	33.1	8.0	-2.8	15.3	30.2	-5.8	12.3				
							350	i	i	i	i	i	i	i	i				

EN50173 Channel Class D

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25			100	555	50	1	4.0	60.0	17.0	56.0	57.4	57.0	53.0	54.4				
3,6 - 3,6							4	4.5	53.5	17.0	49.0	45.4	50.5	46.0	42.4				
4,5 - 4,5							8	6.4	48.6	17.0	42.2	39.3	45.6	39.2	36.3				
7,8 - 7,8							10	7.2	47.0	17.0	39.8	37.4	44.0	36.8	34.4				
							16	9.1	43.6	17.0	34.5	33.3	40.6	31.5	30.3				
i	Informational measurement only, no limit available						20	10.2	42.0	17.0	31.8	31.4	39.0	28.8	28.4				
	Not evaluated against the test limit						25	11.5	40.3	16.0	28.9	29.4	37.3	25.9	26.4				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	12.9	38.7	15.1	25.8	27.5	35.7	22.8	24.5				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	18.6	33.6	12.0	15.0	21.5	30.6	12.0	18.5				
	If FEXT is < 70 dB, not evaluated against the test limit						100	24.0	30.1	10.0	6.1	17.4	27.1	3.1	14.4				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	i	i	i	i	i	i	i	i				
							250	i	i	i	i	i	i	i	i				
							350	i	i	i	i	i	i	i	i				

EN50173 Channel Class C

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	40			100	555	50	1	4.2	39.1	15.0	34.9								
3,6 - 3,6							4	7.6	29.2	15.0	21.6								
4,5 - 4,5							8	10.4	24.3	15.0	13.9								
7,8 - 7,8							10	11.5	22.7	15.0	11.2								
							16	14.4	19.4	15.0	5.0								
i	Informational measurement only, no limit available						20	i	i	i	i								
	Not evaluated against the test limit						25	i	i	i	i								
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	i	i	i	i								
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	i	i	i	i								
							100	i	i	i	i								
							200	i	i	i	i								
							250	i	i	i	i								
							350	i	i	i	i								

EN50173 PL2 Class Fa (600 MHz)

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	20.6			90	496	25	1	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0				
3,6 - 3,6							4	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0				
4,5 - 4,5							8	4.8	65.0	21.0	60.2	65.0	62.0	57.2	62.0				
7,8 - 7,8							10	5.4	65.0	21.0	59.6	65.0	62.0	56.6	62.0				
							16	6.8	65.0	20.0	58.2	65.0	62.0	55.2	62.0				
i	Informational measurement only, no limit available						20	7.6	65.0	19.5	57.4	64.5	62.0	54.4	61.5				
	Not evaluated against the test limit						25	8.5	65.0	19.0	56.5	62.5	62.0	53.5	59.5				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	9.5	65.0	18.5	55.5	60.6	62.0	52.5	57.6				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	13.4	65.0	16.0	51.6	54.6	62.0	48.6	51.6				
	If FEXT is < 70 dB, not evaluated against the test limit						100	17.1	65.0	14.0	47.9	50.5	62.0	44.9	47.5				
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	24.4	63.5	11.0	39.1	44.5	60.5	36.1	41.5				
							250	27.4	61.7	10.0	34.4	42.5	58.7	31.4	39.5				
							350	32.6	59.0	10.0	26.4	39.6	56.0	23.4	36.6				
							450	37.2	57.0	10.0	19.8	37.4	54.0	16.8	34.4				
							500	39.4	56.2	10.0	16.8	36.5	53.2	13.8	33.5				
							600	43.4	54.7	10.0	11.3	34.9	51.7	8.3	31.9				
							700	i	i	i	i	i	i	i	i				
							800	i	i	i	i	i	i	i	i				
							900	i	i	i	i	i	i	i	i				
							1000	i	i	i	i	i	i	i	i				

EN50173 PL3 Class Fa (600 MHz)

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21			90	498	26	1	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0				
3,6 - 3,6							4	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0				
4,5 - 4,5							8	4.9	65.0	21.0	60.1	65.0	62.0	57.1	62.0				
7,8 - 7,8							10	5.4	65.0	21.0	59.6	65.0	62.0	56.6	62.0				
							16	6.8	65.0	20.0	58.2	64.7	62.0	55.2	61.7				
i	Informational measurement only, no limit available						20	7.7	65.0	19.5	57.3	62.8	62.0	54.3	59.8				
	Not evaluated against the test limit						25	8.6	65.0	19.0	56.4	60.8	62.0	53.4	57.8				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	9.6	65.0	18.5	55.4	58.9	62.0	52.4	55.9				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	13.6	65.0	16.0	51.4	52.9	62.0	48.4	49.9				
	If FEXT is < 70 dB, not evaluated against the test limit						100	17.3	65.0	14.0	47.7	48.8	62.0	44.7	45.8				
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	24.7	63.5	11.0	38.9	42.8	60.5	35.9	39.8				
							250	27.7	61.7	10.0	34.0	40.8	58.7	31.0	37.8				
							350	33.0	59.0	10.0	26.0	37.9	56.0	23.0	34.9				
							450	37.7	57.0	10.0	19.3	35.7	54.0	16.3	32.7				
							500	39.8	56.2	10.0	16.3	34.8	53.2	13.3	31.8				
							600	43.9	54.7	10.0	10.8	33.2	51.7	7.8	30.2				
							700	i	i	i	i	i	i	i	i				
							800	i	i	i	i	i	i	i	i				
							900	i	i	i	i	i	i	i	i				
							1000	i	i	i	i	i	i	i	i				

JIS X5150:2016 PL2 Class Fa

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	20.6			90	496	25	1	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0				
3,6 - 3,6							4	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0				
4,5 - 4,5							8	4.8	65.0	21.0	60.2	65.0	62.0	57.2	62.0				
7,8 - 7,8							10	5.4	65.0	21.0	59.6	65.0	62.0	56.6	62.0				
							16	6.8	65.0	20.0	58.2	65.0	62.0	55.2	62.0				
							20	7.6	65.0	19.5	57.4	64.5	62.0	54.4	61.5				
	Not evaluated against the test limit						25	8.5	65.0	19.0	56.5	62.5	62.0	53.5	59.5				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	9.5	65.0	18.5	55.5	60.6	62.0	52.5	57.6				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	13.4	65.0	16.0	51.6	54.6	62.0	48.6	51.6				
	If FEXT is < 70 dB, not evaluated against the test limit						100	17.1	65.0	14.0	47.9	50.5	62.0	44.9	47.5				
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	24.4	63.5	11.0	39.1	44.5	60.5	36.1	41.5				
	If Insertion Loss @ 900 MHz is < 17 dB, then:						250	27.4	61.7	10.0	34.4	42.5	58.7	31.4	39.5				
							350	32.6	59.0	10.0	26.4	39.6	56.0	23.4	36.6				
							450	37.2	57.0	10.0	19.8	37.4	54.0	16.8	34.4				
							500	39.4	56.2	10.0	16.8	36.5	53.2	13.8	33.5				
							600	43.4	54.7	10.0	11.3	34.9	51.7	8.3	31.9				
							700	47.1	53.0	9.5	6.4	33.6	50.0	3.4	30.6				
							800	50.6	51.5	9.0	1.8	32.4	48.5	-1.2	29.4				
							900	53.9	50.3	8.5	-2.4	31.4	47.3	-5.4	28.4				
							1000	57.0	49.1	8.0	-6.4	30.5	46.1	-9.4	27.5				

Freq.	NEXT	PS NEXT
900	50.3	47.3
1000	46.3	43.3

q

JIS X5150:2016 PL2 Class Fa (+All)

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	20.6	0.15 or 3.0	0.2 or 7.0	90	496	25	1	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0	40.0	30.0	i	i
3,6 - 3,6							4	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0	40.0	18.0	i	i
4,5 - 4,5							8	4.8	65.0	21.0	60.2	65.0	62.0	57.2	62.0	39.5	11.9	i	i
7,8 - 7,8							10	5.4	65.0	21.0	59.6	65.0	62.0	56.6	62.0	38.0	10.0	i	i
							16	6.8	65.0	20.0	58.2	65.0	62.0	55.2	62.0	34.9	5.9	i	i
i	Informational measurement only, no limit available						20	7.6	65.0	19.5	57.4	64.5	62.0	54.4	61.5	33.5	4.0	i	i
	Not evaluated against the test limit						25	8.5	65.0	19.0	56.5	62.5	62.0	53.5	59.5	32.0	2.0	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	9.5	65.0	18.5	55.5	60.6	62.0	52.5	57.6	30.4	i	i	i
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	13.4	65.0	16.0	51.6	54.6	62.0	48.6	51.6	24.4	i	i	i
	If FEXT is < 70 dB, not evaluated against the test limit						100	17.1	65.0	14.0	47.9	50.5	62.0	44.9	47.5	20.3	i	i	i
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	24.4	63.5	11.0	39.1	44.5	60.5	36.1	41.5	14.3	i	i	i
	If Insertion Loss @ 900 MHz is < 17 dB, then:						250	27.4	61.7	10.0	34.4	42.5	58.7	31.4	39.5	12.3	i	i	i
							350	32.6	59.0	10.0	26.4	39.6	56.0	23.4	36.6	i	i	i	i
							450	37.2	57.0	10.0	19.8	37.4	54.0	16.8	34.4	i	i	i	i
							500	39.4	56.2	10.0	16.8	36.5	53.2	13.8	33.5	i	i	i	i
							600	43.4	54.7	10.0	11.3	34.9	51.7	8.3	31.9	i	i	i	i
							700	47.1	53.0	9.5	6.4	33.6	50.0	3.4	30.6	i	i	i	i
							800	50.6	51.5	9.0	1.8	32.4	48.5	-1.2	29.4	i	i	i	i
							900	53.9	50.3	8.5	-2.4	31.4	47.3	-5.4	28.4	i	i	i	i
							1000	57.0	49.1	8.0	-6.4	30.5	46.1	-9.4	27.5	i	i	i	i

Freq.	NEXT	PS NEXT
900	50.3	47.3
1000	46.3	43.3

JIS X5150:2016 PL3 Class Fa

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21			90	498	26	1	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0				
3,6 - 3,6							4	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0				
4,5 - 4,5							8	4.9	65.0	21.0	60.1	65.0	62.0	57.1	62.0				
7,8 - 7,8							10	5.4	65.0	21.0	59.6	65.0	62.0	56.6	62.0				
							16	6.8	65.0	20.0	58.2	64.7	62.0	55.2	61.7				
							20	7.7	65.0	19.5	57.3	62.8	62.0	54.3	59.8				
	Not evaluated against the test limit						25	8.6	65.0	19.0	56.4	60.8	62.0	53.4	57.8				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	9.6	65.0	18.5	55.4	58.9	62.0	52.4	55.9				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	13.6	65.0	16.0	51.4	52.9	62.0	48.4	49.9				
	If FEXT is < 70 dB, not evaluated against the test limit						100	17.3	65.0	14.0	47.7	48.8	62.0	44.7	45.8				
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	24.7	63.5	11.0	38.9	42.8	60.5	35.9	39.8				
							250	27.7	61.7	10.0	34.0	40.8	58.7	31.0	37.8				
							350	33.0	59.0	10.0	26.0	37.9	56.0	23.0	34.9				
							450	37.7	57.0	10.0	19.3	35.7	54.0	16.3	32.7				
							500	39.8	56.2	10.0	16.3	34.8	53.2	13.3	31.8				
							600	43.9	54.7	10.0	10.8	33.2	51.7	7.8	30.2				
							700	47.6	52.6	9.5	5.9	31.9	49.6	2.9	28.9				
							800	51.1	50.9	9.0	1.3	30.7	47.9	-1.7	27.7				
							900	54.5	49.3	8.5	-3.0	29.7	46.3	-6.0	26.7				
							1000	57.6	47.9	8.0	-7.0	28.8	44.9	-10.0	25.8				

JIS X5150:2016 PL3 Class Fa (+All)

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21	0.15 or 3.0	0.2 or 7.0	90	498	26	1	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0	40.0	30.0	i	i
3,6 - 3,6							4	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0	40.0	18.0	i	i
4,5 - 4,5							8	4.9	65.0	21.0	60.1	65.0	62.0	57.1	62.0	39.5	11.9	i	i
7,8 - 7,8							10	5.4	65.0	21.0	59.6	65.0	62.0	56.6	62.0	38.0	10.0	i	i
							16	6.8	65.0	20.0	58.2	64.7	62.0	55.2	61.7	34.9	5.9	i	i
i	Informational measurement only, no limit available						20	7.7	65.0	19.5	57.3	62.8	62.0	54.3	59.8	33.5	4.0	i	i
	Not evaluated against the test limit						25	8.6	65.0	19.0	56.4	60.8	62.0	53.4	57.8	32.0	2.0	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	9.6	65.0	18.5	55.4	58.9	62.0	52.4	55.9	30.4	i	i	i
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	13.6	65.0	16.0	51.4	52.9	62.0	48.4	49.9	24.4	i	i	i
	If FEXT is < 70 dB, not evaluated against the test limit						100	17.3	65.0	14.0	47.7	48.8	62.0	44.7	45.8	20.3	i	i	i
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	24.7	63.5	11.0	38.9	42.8	60.5	35.9	39.8	14.3	i	i	i
							250	27.7	61.7	10.0	34.0	40.8	58.7	31.0	37.8	12.3	i	i	i
							350	33.0	59.0	10.0	26.0	37.9	56.0	23.0	34.9	i	i	i	i
							450	37.7	57.0	10.0	19.3	35.7	54.0	16.3	32.7	i	i	i	i
							500	39.8	56.2	10.0	16.3	34.8	53.2	13.3	31.8	i	i	i	i
							600	43.9	54.7	10.0	10.8	33.2	51.7	7.8	30.2	i	i	i	i
							700	47.6	52.6	9.5	5.9	31.9	49.6	2.9	28.9	i	i	i	i
							800	51.1	50.9	9.0	1.3	30.7	47.9	-1.7	27.7	i	i	i	i
							900	54.5	49.3	8.5	-3.0	29.7	46.3	-6.0	26.7	i	i	i	i
							1000	57.6	47.9	8.0	-7.0	28.8	44.9	-10.0	25.8	i	i	i	i

JIS X5150:2016 PL Class F

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21			90	498	26	1	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0				
3,6 - 3,6							4	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0				
4,5 - 4,5							8	4.9	65.0	21.0	60.1	64.3	62.0	57.1	61.3				
7,8 - 7,8							10	5.5	65.0	21.0	59.5	62.7	62.0	56.5	59.7				
							16	6.9	65.0	20.0	58.1	59.3	62.0	55.1	56.3				
i	Informational measurement only, no limit available						20	7.7	65.0	19.5	57.3	57.7	62.0	54.3	54.7				
	Not evaluated against the test limit						25	8.7	65.0	19.0	56.3	56.1	62.0	53.3	53.1				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	9.7	65.0	18.5	55.3	54.5	62.0	52.3	51.5				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	13.9	65.0	16.0	51.1	49.5	62.0	48.1	46.5				
	If FEXT is < 70 dB, not evaluated against the test limit						100	17.7	65.0	14.0	47.3	46.0	62.0	44.3	43.0				
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	25.6	61.9	11.0	36.3	40.9	58.9	33.3	37.9				
							250	28.8	60.4	10.0	31.6	39.2	57.4	28.6	36.2				
							350	34.6	58.2	10.0	23.6	36.7	55.2	20.6	33.7				
							450	39.7	56.6	10.0	16.9	34.8	53.6	13.9	31.8				
							500	42.1	55.9	10.0	13.8	34.0	52.9	10.8	31.0				
							600	46.6	54.7	10.0	8.1	32.6	51.7	5.1	29.6				
							700	i	i	i	i	i	i	i	i				
							800	i	i	i	i	i	i	i	i				
							900	i	i	i	i	i	i	i	i				
							1000	i	i	i	i	i	i	i	i				

JIS X5150:2016 PL Class F (+All)

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21	0.15 or 3.0	0.2 or 7.0	90	498	26	1	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0	40.0	30.0	i	i
3,6 - 3,6							4	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0	40.0	18.0	i	i
4,5 - 4,5							8	4.9	65.0	21.0	60.1	64.3	62.0	57.1	61.3	39.5	11.9	i	i
7,8 - 7,8							10	5.5	65.0	21.0	59.5	62.7	62.0	56.5	59.7	38.0	10.0	i	i
							16	6.9	65.0	20.0	58.1	59.3	62.0	55.1	56.3	34.9	5.9	i	i
i	Informational measurement only, no limit available						20	7.7	65.0	19.5	57.3	57.7	62.0	54.3	54.7	33.5	4.0	i	i
	Not evaluated against the test limit						25	8.7	65.0	19.0	56.3	56.1	62.0	53.3	53.1	32.0	2.0	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	9.7	65.0	18.5	55.3	54.5	62.0	52.3	51.5	30.4	i	i	i
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	13.9	65.0	16.0	51.1	49.5	62.0	48.1	46.5	24.4	i	i	i
	If FEXT is < 70 dB, not evaluated against the test limit						100	17.7	65.0	14.0	47.3	46.0	62.0	44.3	43.0	20.3	i	i	i
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	25.6	61.9	11.0	36.3	40.9	58.9	33.3	37.9	14.3	i	i	i
							250	28.8	60.4	10.0	31.6	39.2	57.4	28.6	36.2	12.3	i	i	i
							350	34.6	58.2	10.0	23.6	36.7	55.2	20.6	33.7	i	i	i	i
							450	39.7	56.6	10.0	16.9	34.8	53.6	13.9	31.8	i	i	i	i
							500	42.1	55.9	10.0	13.8	34.0	52.9	10.8	31.0	i	i	i	i
							600	46.6	54.7	10.0	8.1	32.6	51.7	5.1	29.6	i	i	i	i
							700	i	i	i	i	i	i	i	i	i	i	i	i
							800	i	i	i	i	i	i	i	i	i	i	i	i
							900	i	i	i	i	i	i	i	i	i	i	i	i
							1000	i	i	i	i	i	i	i	i	i	i	i	i

JIS X5150:2016 PL2 Class Ea

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	20.6			90	496	43	1	4.0	65.0	21.0	61.0	65.2	62.0	58.0	62.2				
3,6 - 3,6							4	4.0	64.1	21.0	60.1	53.2	61.8	57.8	50.2				
4,5 - 4,5							8	4.9	59.4	21.0	54.5	47.2	57.0	52.1	44.2				
7,8 - 7,8							10	5.5	57.8	21.0	52.4	45.2	55.5	50.0	42.2				
							16	6.9	54.6	20.0	47.7	41.2	52.2	45.3	38.2				
							20	7.7	53.1	19.5	45.3	39.2	50.7	43.0	36.2				
	Not evaluated against the test limit						25	8.6	51.5	19.0	42.9	37.3	49.1	40.5	34.3				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	9.7	50.0	18.5	40.3	35.3	47.5	37.9	32.3				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	13.8	45.1	16.0	31.3	29.3	42.7	28.8	26.3				
	If FEXT is < 70 dB, not evaluated against the test limit						100	17.6	41.8	14.0	24.2	25.2	39.3	21.7	22.2				
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	25.4	36.9	11.0	11.5	19.2	34.3	8.9	16.2				
	If Insertion Loss @ 450 MHz < 12 dB, then:						250	28.6	35.3	10.0	6.7	17.3	32.7	4.1	14.3				
		Freq.	NEXT	PS NEXT			350	34.3	32.6	8.6	-1.7	14.4	29.9	-4.4	11.4				
		450	30.2	27.4			450	39.3	30.2	8.0	-9.1	12.2	27.4	-11.9	9.2				
		500	27.8	25.0			500	41.6	29.2	8.0	-12.4	11.3	26.4	-15.3	8.3				

JIS X5150:2016 PL2 Class Ea (+All)

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	20.6	0.15 or 3.0	0.2 or 7.0	90	496	43	1	4.0	65.0	21.0	61.0	65.2	62.0	58.0	62.2	40.0	30.0	i	i
3,6 - 3,6							4	4.0	64.1	21.0	60.1	53.2	61.8	57.8	50.2	40.0	18.0	i	i
4,5 - 4,5							8	4.9	59.4	21.0	54.5	47.2	57.0	52.1	44.2	39.5	11.9	i	i
7,8 - 7,8							10	5.5	57.8	21.0	52.4	45.2	55.5	50.0	42.2	38.0	10.0	i	i
							16	6.9	54.6	20.0	47.7	41.2	52.2	45.3	38.2	34.9	5.9	i	i
i	Informational measurement only, no limit available						20	7.7	53.1	19.5	45.3	39.2	50.7	43.0	36.2	33.5	4.0	i	i
	Not evaluated against the test limit						25	8.6	51.5	19.0	42.9	37.3	49.1	40.5	34.3	32.0	2.0	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	9.7	50.0	18.5	40.3	35.3	47.5	37.9	32.3	30.4	i	i	i
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	13.8	45.1	16.0	31.3	29.3	42.7	28.8	26.3	24.4	i	i	i
	If FEXT is < 70 dB, not evaluated against the test limit						100	17.6	41.8	14.0	24.2	25.2	39.3	21.7	22.2	20.3	i	i	i
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	25.4	36.9	11.0	11.5	19.2	34.3	8.9	16.2	14.3	i	i	i
	If Insertion Loss @ 450 MHz < 12 dB, then:						250	28.6	35.3	10.0	6.7	17.3	32.7	4.1	14.3	12.3	i	i	i
		Freq.	NEXT	PS NEXT			350	34.3	32.6	8.6	-1.7	14.4	29.9	-4.4	11.4	i	i	i	i
		450	30.2	27.4			450	39.3	30.2	8.0	-9.1	12.2	27.4	-11.9	9.2	i	i	i	i
		500	27.8	25.0			500	41.6	29.2	8.0	-12.4	11.3	26.4	-15.3	8.3	i	i	i	i

JIS X5150:2016 PL3 Class Ea

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21			90	498	44	1	4.0	65.0	21.0	61.0	64.2	62.0	58.0	61.2				
3,6 - 3,6							4	4.0	64.1	21.0	60.1	52.1	61.8	57.8	49.1				
4,5 - 4,5							8	4.9	59.4	21.0	54.4	46.1	57.0	52.1	43.1				
7,8 - 7,8							10	5.5	57.8	21.0	52.3	44.2	55.5	50.0	41.2				
							16	7.0	54.6	20.0	47.6	40.1	52.2	45.2	37.1				
							20	7.8	53.1	19.5	45.3	38.2	50.7	42.9	35.2				
	Not evaluated against the test limit						25	8.7	51.5	19.0	42.8	36.2	49.1	40.4	33.2				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	9.8	50.0	18.5	40.2	34.3	47.5	37.8	31.3				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	14.0	45.1	16.0	31.2	28.3	42.7	28.7	25.3				
	If FEXT is < 70 dB, not evaluated against the test limit						100	17.8	41.8	14.0	24.0	24.2	39.3	21.5	21.2				
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	25.7	36.9	11.0	11.3	18.2	34.3	8.7	15.2				
							250	28.9	35.3	10.0	6.4	16.2	32.7	3.8	13.2				
							350	34.6	32.2	8.6	-2.5	13.3	29.4	-5.2	10.3				
							450	39.7	29.2	8.0	-10.6	11.1	26.2	-13.5	8.1				
							500	42.1	27.9	8.0	-14.2	10.2	24.8	-17.2	7.2				

JIS X5150:2016 PL3 Class Ea (+All)

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21	0.15 or 3.0	0.2 or 7.0	90	498	44	1	4.0	65.0	21.0	61.0	64.2	62.0	58.0	61.2	40.0	30.0	i	i
3,6 - 3,6							4	4.0	64.1	21.0	60.1	52.1	61.8	57.8	49.1	40.0	18.0	i	i
4,5 - 4,5							8	4.9	59.4	21.0	54.4	46.1	57.0	52.1	43.1	39.5	11.9	i	i
7,8 - 7,8							10	5.5	57.8	21.0	52.3	44.2	55.5	50.0	41.2	38.0	10.0	i	i
							16	7.0	54.6	20.0	47.6	40.1	52.2	45.2	37.1	34.9	5.9	i	i
i	Informational measurement only, no limit available						20	7.8	53.1	19.5	45.3	38.2	50.7	42.9	35.2	33.5	4.0	i	i
	Not evaluated against the test limit						25	8.7	51.5	19.0	42.8	36.2	49.1	40.4	33.2	32.0	2.0	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	9.8	50.0	18.5	40.2	34.3	47.5	37.8	31.3	30.4	i	i	i
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	14.0	45.1	16.0	31.2	28.3	42.7	28.7	25.3	24.4	i	i	i
	If FEXT is < 70 dB, not evaluated against the test limit						100	17.8	41.8	14.0	24.0	24.2	39.3	21.5	21.2	20.3	i	i	i
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	25.7	36.9	11.0	11.3	18.2	34.3	8.7	15.2	14.3	i	i	i
							250	28.9	35.3	10.0	6.4	16.2	32.7	3.8	13.2	12.3	i	i	i
							350	34.6	32.2	8.6	-2.5	13.3	29.4	-5.2	10.3	i	i	i	i
							450	39.7	29.2	8.0	-10.6	11.1	26.2	-13.5	8.1	i	i	i	i
							500	42.1	27.9	8.0	-14.2	10.2	24.8	-17.2	7.2	i	i	i	i

JIS X5150:2016 PL Class E

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21			90	498	44	1	4.0	65.0	21.0	61.0	64.2	62.0	58.0	61.2				
3,6 - 3,6							4	4.0	64.1	21.0	60.1	52.1	61.8	57.8	49.1				
4,5 - 4,5							8	5.0	59.4	21.0	54.4	46.1	57.0	52.0	43.1				
7,8 - 7,8							10	5.6	57.8	21.0	52.2	44.2	55.5	49.9	41.2				
							16	7.1	54.6	20.0	47.5	40.1	52.2	45.1	37.1				
i	Informational measurement only, no limit available						20	7.9	53.1	19.5	45.1	38.2	50.7	42.7	35.2				
	Not evaluated against the test limit						25	8.9	51.5	19.0	42.6	36.2	49.1	40.2	33.2				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	10.0	50.0	18.5	40.0	34.3	47.5	37.5	31.3				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	14.4	45.1	16.0	30.7	28.3	42.7	28.2	25.3				
	If FEXT is < 70 dB, not evaluated against the test limit						100	18.5	41.8	14.0	23.3	24.2	39.3	20.8	21.2				
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	27.1	36.9	11.0	9.9	18.2	34.3	7.2	15.2				
							250	30.7	35.3	10.0	4.7	16.2	32.7	2.0	13.2				
							350	i	i	i	i	i	i	i	i				

JIS X5150:2016 PL Class E (+All)

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21	0.15 or 3.0	0.2 or 7.0	90	498	44	1	4.0	65.0	21.0	61.0	64.2	62.0	58.0	61.2	40.0	30.0	i	i
3,6 - 3,6							4	4.0	64.1	21.0	60.1	52.1	61.8	57.8	49.1	40.0	18.0	i	i
4,5 - 4,5							8	5.0	59.4	21.0	54.4	46.1	57.0	52.0	43.1	39.5	11.9	i	i
7,8 - 7,8							10	5.6	57.8	21.0	52.2	44.2	55.5	49.9	41.2	38.0	10.0	i	i
							16	7.1	54.6	20.0	47.5	40.1	52.2	45.1	37.1	34.9	5.9	i	i
i	Informational measurement only, no limit available						20	7.9	53.1	19.5	45.1	38.2	50.7	42.7	35.2	33.5	4.0	i	i
	Not evaluated against the test limit						25	8.9	51.5	19.0	42.6	36.2	49.1	40.2	33.2	32.0	2.0	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	10.0	50.0	18.5	40.0	34.3	47.5	37.5	31.3	30.4	i	i	i
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	14.4	45.1	16.0	30.7	28.3	42.7	28.2	25.3	24.4	i	i	i
	If FEXT is < 70 dB, not evaluated against the test limit						100	18.5	41.8	14.0	23.3	24.2	39.3	20.8	21.2	20.3	i	i	i
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	27.1	36.9	11.0	9.9	18.2	34.3	7.2	15.2	14.3	i	i	i
							250	30.7	35.3	10.0	4.7	16.2	32.7	2.0	13.2	12.3	i	i	i
							350	i	i	i	i	i	i	i	i	i	i	i	i

JIS X5150:2016 PL Class D

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21			90	498	44	1	4.0	60.0	19.0	56.0	58.6	57.0	53.0	55.6				
3,6 - 3,6							4	4.0	54.8	19.0	50.8	46.6	51.8	47.8	43.6				
4,5 - 4,5							8	5.4	50.0	19.0	44.6	40.6	47.0	41.6	37.6				
7,8 - 7,8							10	6.1	48.5	19.0	42.4	38.6	45.5	39.4	35.6				
							16	7.7	45.2	19.0	37.5	34.5	42.2	34.5	31.5				
i	Informational measurement only, no limit available						20	8.7	43.7	19.0	35.0	32.6	40.7	32.0	29.6				
	Not evaluated against the test limit						25	9.7	42.1	18.0	32.4	30.7	39.1	29.4	27.7				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	10.9	40.5	17.1	29.6	28.7	37.5	26.6	25.7				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	15.8	35.7	14.0	19.8	22.7	32.7	16.8	19.7				
	If FEXT is < 70 dB, not evaluated against the test limit						100	20.4	32.3	12.0	11.9	18.6	29.3	8.9	15.6				
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	i	i	i	i	i	i	i	i				
							250	i	i	i	i	i	i	i	i				
							350	i	i	i	i	i	i	i	i				

JIS X5150:2016 PL Class D (+All)

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21	0.15 or 3.0	0.2 or 7.0	90	498	44	1	4.0	60.0	19.0	56.0	58.6	57.0	53.0	55.6	40.0	30.0	i	i
3,6 - 3,6							4	4.0	54.8	19.0	50.8	46.6	51.8	47.8	43.6	40.0	18.0	i	i
4,5 - 4,5							8	5.4	50.0	19.0	44.6	40.6	47.0	41.6	37.6	39.5	11.9	i	i
7,8 - 7,8							10	6.1	48.5	19.0	42.4	38.6	45.5	39.4	35.6	38.0	10.0	i	i
							16	7.7	45.2	19.0	37.5	34.5	42.2	34.5	31.5	34.9	5.9	i	i
i	Informational measurement only, no limit available						20	8.7	43.7	19.0	35.0	32.6	40.7	32.0	29.6	33.5	4.0	i	i
	Not evaluated against the test limit						25	9.7	42.1	18.0	32.4	30.7	39.1	29.4	27.7	32.0	2.0	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	10.9	40.5	17.1	29.6	28.7	37.5	26.6	25.7	30.4	i	i	i
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	15.8	35.7	14.0	19.8	22.7	32.7	16.8	19.7	24.4	i	i	i
	If FEXT is < 70 dB, not evaluated against the test limit						100	20.4	32.3	12.0	11.9	18.6	29.3	8.9	15.6	20.3	i	i	i
	If PS FEXT is < 70 dB, not evaluated against the test limit						200	i	i	i	i	i	i	i	i	i	i	i	i
							250	i	i	i	i	i	i	i	i	i	i	i	i
							350	i	i	i	i	i	i	i	i	i	i	i	i

JIS X5150:2016 PL Class C

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	34			90	498	44	1	4.0	40.1	15.0	36.1								
3,6 - 3,6							4	6.4	30.6	15.0	24.2								
4,5 - 4,5							8	8.8	25.8	15.0	17.0								
7,8 - 7,8							10	9.8	24.3	15.0	14.5								
							16	12.2	21.1	15.0	8.8								
i	Informational measurement only, no limit available						20	i	i	i	i								
	Not evaluated against the test limit						25	i	i	i	i								
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	i	i	i	i								
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	i	i	i	i								
							100	i	i	i	i								
							200	i	i	i	i								
							250	i	i	i	i								
							350	i	i	i	i								

JIS X5150:2016 Channel Class Fa

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25			100	555	30	1	4.0	65.0	19.0	61.0	65.0	62.0	58.0	62.0				
3,6 - 3,6							4	4.1	65.0	19.0	60.9	65.0	62.0	57.9	62.0				
4,5 - 4,5							8	5.7	65.0	19.0	59.3	65.0	62.0	56.3	62.0				
7,8 - 7,8							10	6.4	65.0	19.0	58.6	65.0	62.0	55.6	62.0				
							16	8.0	65.0	18.0	57.0	63.3	62.0	54.0	60.3				
							20	9.0	65.0	17.5	56.0	61.4	62.0	53.0	58.4				
	Not evaluated against the test limit						25	10.0	65.0	17.0	55.0	59.4	62.0	52.0	56.4				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	11.2	65.0	16.5	53.8	57.5	62.0	50.8	54.5				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	15.9	65.0	14.0	49.1	51.5	62.0	46.1	48.5				
	If FEXT is < 70 dB, not evaluated against the test limit						100	20.3	65.0	12.0	44.7	47.4	62.0	41.7	44.4				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	28.9	60.9	9.0	32.0	41.4	57.9	29.0	38.4				
	If Insertion Loss @ 900 MHz is < 17 dB, then:						250	32.5	59.1	8.0	26.7	39.4	56.1	23.7	36.4				
							350	38.7	56.4	8.0	17.7	36.5	53.4	14.7	33.5				
							450	44.2	54.4	8.0	10.2	34.3	51.4	7.2	31.3				
							500	46.7	53.6	8.0	6.9	33.4	50.6	3.9	30.4				
							600	51.4	52.1	8.0	0.7	31.8	49.1	-2.3	28.8				
							700	55.8	50.8	7.5	-5.0	30.5	47.8	-8.0	27.5				
							800	59.9	49.7	7.0	-10.2	29.3	46.7	-13.2	26.3				
							900	63.8	48.8	6.5	-15.1	28.3	45.8	-18.1	25.3				
							1000	67.6	47.9	6.0	-19.6	27.4	44.9	-22.6	24.4				

Freq.	NEXT	PS NEXT
900	48.8	45.8
1000	45.1	42.1

JIS X5150:2016 Channel Class Fa (+All)

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	0.2 or 3.0	0.2 or 7.0	100	555	30	1	4.0	65.0	19.0	61.0	65.0	62.0	58.0	62.0	40.0	30.0	i	i
3,6 - 3,6							4	4.1	65.0	19.0	60.9	65.0	62.0	57.9	62.0	40.0	18.0	i	i
4,5 - 4,5							8	5.7	65.0	19.0	59.3	65.0	62.0	56.3	62.0	39.5	11.9	i	i
7,8 - 7,8							10	6.4	65.0	19.0	58.6	65.0	62.0	55.6	62.0	38.0	10.0	i	i
							16	8.0	65.0	18.0	57.0	63.3	62.0	54.0	60.3	34.9	5.9	i	i
i	Informational measurement only, no limit available						20	9.0	65.0	17.5	56.0	61.4	62.0	53.0	58.4	33.5	4.0	i	i
	Not evaluated against the test limit						25	10.0	65.0	17.0	55.0	59.4	62.0	52.0	56.4	32.0	2.0	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	11.2	65.0	16.5	53.8	57.5	62.0	50.8	54.5	30.4	i	i	i
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	15.9	65.0	14.0	49.1	51.5	62.0	46.1	48.5	24.4	i	i	i
	If FEXT is < 70 dB, not evaluated against the test limit						100	20.3	65.0	12.0	44.7	47.4	62.0	41.7	44.4	20.3	i	i	i
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	28.9	60.9	9.0	32.0	41.4	57.9	29.0	38.4	14.3	i	i	i
	If Insertion Loss @ 900 MHz is < 17 dB, then:						250	32.5	59.1	8.0	26.7	39.4	56.1	23.7	36.4	12.3	i	i	i
							350	38.7	56.4	8.0	17.7	36.5	53.4	14.7	33.5	i	i	i	i
							450	44.2	54.4	8.0	10.2	34.3	51.4	7.2	31.3	i	i	i	i
							500	46.7	53.6	8.0	6.9	33.4	50.6	3.9	30.4	i	i	i	i
							600	51.4	52.1	8.0	0.7	31.8	49.1	-2.3	28.8	i	i	i	i
							700	55.8	50.8	7.5	-5.0	30.5	47.8	-8.0	27.5	i	i	i	i
							800	59.9	49.7	7.0	-10.2	29.3	46.7	-13.2	26.3	i	i	i	i
							900	63.8	48.8	6.5	-15.1	28.3	45.8	-18.1	25.3	i	i	i	i
							1000	67.6	47.9	6.0	-19.6	27.4	44.9	-22.6	24.4	i	i	i	i

Freq.	NEXT	PS NEXT
900	48.8	45.8
1000	45.1	42.1

JIS X5150:2016 Channel Class F

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25			100	555	30	1	4.0	65.0	19.0	61.0	65.0	62.0	58.0	62.0				
3,6 - 3,6							4	4.1	65.0	19.0	60.9	65.0	62.0	57.9	62.0				
4,5 - 4,5							8	5.7	65.0	19.0	59.3	62.4	62.0	56.3	59.4				
7,8 - 7,8							10	6.4	65.0	19.0	58.6	60.8	62.0	55.6	57.8				
							16	8.1	65.0	18.0	56.9	57.5	62.0	53.9	54.5				
i	Informational measurement only, no limit available						20	9.1	65.0	17.5	55.9	55.9	62.0	52.9	52.9				
	Not evaluated against the test limit						25	10.2	65.0	17.0	54.8	54.4	62.0	51.8	51.4				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	11.4	65.0	16.5	53.6	52.8	62.0	50.6	49.8				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	16.3	65.0	14.0	48.7	47.8	62.0	45.7	44.8				
	If FEXT is < 70 dB, not evaluated against the test limit						100	20.8	62.9	12.0	42.1	44.4	59.9	39.1	41.4				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	30.0	58.3	9.0	28.4	39.4	55.3	25.4	36.4				
							250	33.8	56.9	8.0	23.1	37.8	53.9	20.1	34.8				
							350	40.5	54.7	8.0	14.2	35.3	51.7	11.2	32.3				
							450	46.5	53.1	8.0	6.5	33.4	50.1	3.5	30.4				
							500	49.3	52.4	8.0	3.1	32.6	49.4	0.1	29.6				
							600	54.6	51.2	8.0	-3.4	31.3	48.2	-6.4	28.3				
							700	i	i	i	i	i	i	i	i				
							800	i	i	i	i	i	i	i	i				
							900	i	i	i	i	i	i	i	i				
							1000	i	i	i	i	i	i	i	i				

JIS X5150:2016 Channel Class F (+All)

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	0.2 or 3.0	0.2 or 7.0	100	555	30	1	4.0	65.0	19.0	61.0	65.0	62.0	58.0	62.0	40.0	30.0	i	i
3,6 - 3,6							4	4.1	65.0	19.0	60.9	65.0	62.0	57.9	62.0	40.0	18.0	i	i
4,5 - 4,5							8	5.7	65.0	19.0	59.3	62.4	62.0	56.3	59.4	39.5	11.9	i	i
7,8 - 7,8							10	6.4	65.0	19.0	58.6	60.8	62.0	55.6	57.8	38.0	10.0	i	i
							16	8.1	65.0	18.0	56.9	57.5	62.0	53.9	54.5	34.9	5.9	i	i
i	Informational measurement only, no limit available						20	9.1	65.0	17.5	55.9	55.9	62.0	52.9	52.9	33.5	4.0	i	i
	Not evaluated against the test limit						25	10.2	65.0	17.0	54.8	54.4	62.0	51.8	51.4	32.0	2.0	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	11.4	65.0	16.5	53.6	52.8	62.0	50.6	49.8	30.4	i	i	i
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	16.3	65.0	14.0	48.7	47.8	62.0	45.7	44.8	24.4	i	i	i
	If FEXT is < 70 dB, not evaluated against the test limit						100	20.8	62.9	12.0	42.1	44.4	59.9	39.1	41.4	20.3	i	i	i
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	30.0	58.3	9.0	28.4	39.4	55.3	25.4	36.4	14.3	i	i	i
							250	33.8	56.9	8.0	23.1	37.8	53.9	20.1	34.8	12.3	i	i	i
							350	40.5	54.7	8.0	14.2	35.3	51.7	11.2	32.3	i	i	i	i
							450	46.5	53.1	8.0	6.5	33.4	50.1	3.5	30.4	i	i	i	i
							500	49.3	52.4	8.0	3.1	32.6	49.4	0.1	29.6	i	i	i	i
							600	54.6	51.2	8.0	-3.4	31.3	48.2	-6.4	28.3	i	i	i	i
							700	i	i	i	i	i	i	i	i	i	i	i	i
							800	i	i	i	i	i	i	i	i	i	i	i	i
							900	i	i	i	i	i	i	i	i	i	i	i	i
							1000	i	i	i	i	i	i	i	i	i	i	i	i

JIS X5150:2016 Channel Class Ea

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25			100	555	50	1	4.0	65.0	19.0	61.0	63.3	62.0	58.0	60.3				
3,6 - 3,6							4	4.2	63.0	19.0	58.9	51.2	60.5	56.4	48.2				
4,5 - 4,5							8	5.8	58.2	19.0	52.4	45.2	55.6	49.8	42.2				
7,8 - 7,8							10	6.5	56.6	19.0	50.1	43.3	54.0	47.5	40.3				
							16	8.2	53.2	18.0	45.0	39.2	50.6	42.4	36.2				
							20	9.2	51.6	17.5	42.5	37.2	49.0	39.8	34.2				
	Not evaluated against the test limit						25	10.2	50.0	17.0	39.8	35.3	47.3	37.1	32.3				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	11.5	48.4	16.5	36.9	33.4	45.7	34.2	30.4				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	16.4	43.4	14.0	27.0	27.3	40.6	24.2	24.3				
	If FEXT is < 70 dB, not evaluated against the test limit						100	20.9	39.9	12.0	19.0	23.3	37.1	16.2	20.3				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	30.1	34.8	9.0	4.7	17.2	31.9	1.8	14.2				
	If Insertion Loss @ 450 MHz is < 12 dB, then:						250	33.9	33.1	8.0	-0.8	15.3	30.2	-3.7	12.3				
							350	40.6	30.6	6.6	-10.0	12.4	27.6	-13.0	9.4				
							450	46.5	28.7	6.0	-17.9	10.2	25.7	-20.9	7.2				
							500	49.3	27.9	6.0	-21.4	9.3	24.8	-24.5	6.3				

Freq.	NEXT	PS NEXT
450	28.7	25.7
500	26.5	23.4

JIS X5150:2016 Channel Class Ea (+All)

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	0.2 or 3.0	0.2 or 7.0	100	555	50	1	4.0	65.0	19.0	61.0	63.3	62.0	58.0	60.3	40.0	30.0	i	i
3,6 - 3,6							4	4.2	63.0	19.0	58.9	51.2	60.5	56.4	48.2	40.0	18.0	i	i
4,5 - 4,5							8	5.8	58.2	19.0	52.4	45.2	55.6	49.8	42.2	39.5	11.9	i	i
7,8 - 7,8							10	6.5	56.6	19.0	50.1	43.3	54.0	47.5	40.3	38.0	10.0	i	i
							16	8.2	53.2	18.0	45.0	39.2	50.6	42.4	36.2	34.9	5.9	i	i
i	Informational measurement only, no limit available						20	9.2	51.6	17.5	42.5	37.2	49.0	39.8	34.2	33.5	4.0	i	i
	Not evaluated against the test limit						25	10.2	50.0	17.0	39.8	35.3	47.3	37.1	32.3	32.0	2.0	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	11.5	48.4	16.5	36.9	33.4	45.7	34.2	30.4	30.4	i	i	i
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	16.4	43.4	14.0	27.0	27.3	40.6	24.2	24.3	24.4	i	i	i
	If FEXT is < 70 dB, not evaluated against the test limit						100	20.9	39.9	12.0	19.0	23.3	37.1	16.2	20.3	20.3	i	i	i
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	30.1	34.8	9.0	4.7	17.2	31.9	1.8	14.2	14.3	i	i	i
	If Insertion Loss @ 450 MHz is < 12 dB, then:						250	33.9	33.1	8.0	-0.8	15.3	30.2	-3.7	12.3	12.3	i	i	i
		Freq.	NEXT	PS NEXT			350	40.6	30.6	6.6	-10.0	12.4	27.6	-13.0	9.4	i	i	i	i
		450	28.7	25.7			450	46.5	28.7	6.0	-17.9	10.2	25.7	-20.9	7.2	i	i	i	i
		500	26.5	23.4			500	49.3	27.9	6.0	-21.4	9.3	24.8	-24.5	6.3	i	i	i	i

JIS X5150:2016 Channel Class E

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25			100	555	50	1	4.0	65.0	19.0	61.0	63.3	62.0	58.0	60.3				
3,6 - 3,6							4	4.2	63.0	19.0	58.9	51.2	60.5	56.4	48.2				
4,5 - 4,5							8	5.9	58.2	19.0	52.3	45.2	55.6	49.7	42.2				
7,8 - 7,8							10	6.6	56.6	19.0	50.0	43.3	54.0	47.4	40.3				
							16	8.3	53.2	18.0	44.9	39.2	50.6	42.3	36.2				
i	Informational measurement only, no limit available						20	9.3	51.6	17.5	42.3	37.2	49.0	39.7	34.2				
	Not evaluated against the test limit						25	10.5	50.0	17.0	39.6	35.3	47.3	36.9	32.3				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	11.7	48.4	16.5	36.7	33.4	45.7	34.0	30.4				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	16.9	43.4	14.0	26.5	27.3	40.6	23.7	24.3				
	If FEXT is < 70 dB, not evaluated against the test limit						100	21.7	39.9	12.0	18.2	23.3	37.1	15.4	20.3				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	31.7	34.8	9.0	3.1	17.2	31.9	0.1	14.2				
							250	35.9	33.1	8.0	-2.8	15.3	30.2	-5.8	12.3				
							350	i	i	i	i	i	i	i	i				

JIS X5150:2016 Channel Class E (+All)

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	0.2 or 3.0	0.2 or 7.0	100	555	50	1	4.0	65.0	19.0	61.0	63.3	62.0	58.0	60.3	40.0	30.0	i	i
3,6 - 3,6							4	4.2	63.0	19.0	58.9	51.2	60.5	56.4	48.2	40.0	18.0	i	i
4,5 - 4,5							8	5.9	58.2	19.0	52.3	45.2	55.6	49.7	42.2	39.5	11.9	i	i
7,8 - 7,8							10	6.6	56.6	19.0	50.0	43.3	54.0	47.4	40.3	38.0	10.0	i	i
							16	8.3	53.2	18.0	44.9	39.2	50.6	42.3	36.2	34.9	5.9	i	i
i	Informational measurement only, no limit available						20	9.3	51.6	17.5	42.3	37.2	49.0	39.7	34.2	33.5	4.0	i	i
	Not evaluated against the test limit						25	10.5	50.0	17.0	39.6	35.3	47.3	36.9	32.3	32.0	2.0	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	11.7	48.4	16.5	36.7	33.4	45.7	34.0	30.4	30.4	i	i	i
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	16.9	43.4	14.0	26.5	27.3	40.6	23.7	24.3	24.4	i	i	i
	If FEXT is < 70 dB, not evaluated against the test limit						100	21.7	39.9	12.0	18.2	23.3	37.1	15.4	20.3	20.3	i	i	i
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	31.7	34.8	9.0	3.1	17.2	31.9	0.1	14.2	14.3	i	i	i
							250	35.9	33.1	8.0	-2.8	15.3	30.2	-5.8	12.3	12.3	i	i	i
							350	i	i	i	i	i	i	i	i	i	i	i	i

JIS X5150:2016 Channel Class D

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25			100	555	50	1	4.0	60.0	17.0	56.0	57.4	57.0	53.0	54.4				
3,6 - 3,6							4	4.5	53.5	17.0	49.0	45.4	50.5	46.0	42.4				
4,5 - 4,5							8	6.4	48.6	17.0	42.2	39.3	45.6	39.2	36.3				
7,8 - 7,8							10	7.2	47.0	17.0	39.8	37.4	44.0	36.8	34.4				
							16	9.1	43.6	17.0	34.5	33.3	40.6	31.5	30.3				
i	Informational measurement only, no limit available						20	10.2	42.0	17.0	31.8	31.4	39.0	28.8	28.4				
	Not evaluated against the test limit						25	11.5	40.3	16.0	28.9	29.4	37.3	25.9	26.4				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	12.9	38.7	15.1	25.8	27.5	35.7	22.8	24.5				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	18.6	33.6	12.0	15.0	21.5	30.6	12.0	18.5				
	If FEXT is < 70 dB, not evaluated against the test limit						100	24.0	30.1	10.0	6.1	17.4	27.1	3.1	14.4				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	i	i	i	i	i	i	i	i				
							250	i	i	i	i	i	i	i	i				
							350	i	i	i	i	i	i	i	i				

JIS X5150:2016 Channel Class D (+All)

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	0.2 or 3.0	0.2 or 7.0	100	555	50	1	4.0	60.0	17.0	56.0	57.4	57.0	53.0	54.4	40.0	30.0	i	i
3,6 - 3,6							4	4.5	53.5	17.0	49.0	45.4	50.5	46.0	42.4	40.0	18.0	i	i
4,5 - 4,5							8	6.4	48.6	17.0	42.2	39.3	45.6	39.2	36.3	39.5	11.9	i	i
7,8 - 7,8							10	7.2	47.0	17.0	39.8	37.4	44.0	36.8	34.4	38.0	10.0	i	i
							16	9.1	43.6	17.0	34.5	33.3	40.6	31.5	30.3	34.9	5.9	i	i
i	Informational measurement only, no limit available						20	10.2	42.0	17.0	31.8	31.4	39.0	28.8	28.4	33.5	4.0	i	i
	Not evaluated against the test limit						25	11.5	40.3	16.0	28.9	29.4	37.3	25.9	26.4	32.0	2.0	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	12.9	38.7	15.1	25.8	27.5	35.7	22.8	24.5	30.4	i	i	i
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	18.6	33.6	12.0	15.0	21.5	30.6	12.0	18.5	24.4	i	i	i
	If FEXT is < 70 dB, not evaluated against the test limit						100	24.0	30.1	10.0	6.1	17.4	27.1	3.1	14.4	20.3	i	i	i
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	i	i	i	i	i	i	i	i	i	i	i	i
							250	i	i	i	i	i	i	i	i	i	i	i	i
							350	i	i	i	i	i	i	i	i	i	i	i	i

JIS X5150:2016 Channel Class C

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	40			100	555	50	1	4.2	39.1	15.0	34.9								
3,6 - 3,6							4	7.6	29.2	15.0	21.6								
4,5 - 4,5							8	10.4	24.3	15.0	13.9								
7,8 - 7,8							10	11.5	22.7	15.0	11.2								
							16	14.4	19.4	15.0	5.0								
i	Informational measurement only, no limit available						20	i	i	i	i								
	Not evaluated against the test limit						25	i	i	i	i								
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	i	i	i	i								
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	i	i	i	i								
							100	i	i	i	i								
							200	i	i	i	i								
							250	i	i	i	i								
							350	i	i	i	i								

Korean Cat 6 Channel

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25			96	555	50	1	3.0	65.0	19.0	62.0	63.3	62.0	59.0	60.3				
3,6 - 3,6							4	4.0	63.0	19.0	59.0	51.2	60.5	56.5	48.2				
4,5 - 4,5							8	5.7	58.2	19.0	52.5	45.2	55.6	49.9	42.2				
7,8 - 7,8							10	6.3	56.6	19.0	50.2	43.3	54.0	47.7	40.3				
							16	8.0	53.2	18.0	45.2	39.2	50.6	42.6	36.2				
i	Informational measurement only, no limit available						20	9.0	51.6	17.5	42.6	37.2	49.0	39.9	34.2				
	10% length rule - will fail when length > 105.6 m						25	10.1	50.0	17.0	39.9	35.3	47.3	37.2	32.3				
	Not evaluated against the test limit						31.25	11.4	48.4	16.5	37.0	33.4	45.7	34.3	30.4				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	16.5	43.4	14.0	26.9	27.3	40.6	24.1	24.3				
	If FEXT is < 70 dB, not evaluated against the test limit						100	21.3	39.9	12.0	18.6	23.3	37.1	15.8	20.3				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	31.5	34.8	9.0	3.3	17.2	31.9	0.3	14.2				
							250	35.9	33.1	8.0	-2.8	15.3	30.2	-5.8	12.3				
							350	i	i	i	i	i	i	i	i				

Korean Cat 5e Channel

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB		dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25			96	555	50	1	2.2	60.0	17.0		57.4	57.0		54.4				
3,6 - 3,6							4	4.5	53.5	17.0		45.4	50.5		42.4				
4,5 - 4,5							8	6.3	48.6	17.0		39.3	45.6		36.3				
7,8 - 7,8							10	7.1	47.0	17.0		37.4	44.0		34.4				
							16	9.2	43.6	17.0		33.3	40.6		30.3				
i	Informational measurement only, no limit available						20	10.2	42.0	17.0		31.4	39.0		28.4				
	10% length rule - will fail when length > 105.6 m						25	11.4	40.3	16.0		29.4	37.3		26.4				
	Not evaluated against the test limit						31.25	12.9	38.7	15.1		27.5	35.7		24.5				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	18.6	33.6	12.1		21.5	30.6		18.5				
	If FEXT is < 70 dB, not evaluated against the test limit						100	24.0	30.1	10.0		17.4	27.1		14.4				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	i	i	i		i	i		i				
							250	i	i	i		i	i		i				
							350	i	i	i		i	i		i				

Korean Cat 3 Channel

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	40			96	555	50	1	4.2	39.1										
3,6 - 3,6							4	7.3	29.3										
4,5 - 4,5							8	10.2	24.3										
7,8 - 7,8							10	11.5	22.7										
							16	14.9	19.2										
i	Informational measurement only, no limit available						20	i	i										
	10% length rule - will fail when length > 105.6 m						25	i	i										
	Not evaluated against the test limit						31.25	i	i										
							62.5	i	i										
							100	i	i										
							200	i	i										
							250	i	i										
							350	i	i										

Korean Pre-Deploy 250MHz Channel

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25			999	555	50	1	3.0	65.0	19.0		63.3	62.0		60.3				
3,6 - 3,6							4	i	i	i		i	i		i				
4,5 - 4,5							8	i	i	i		i	i		i				
7,8 - 7,8							10	i	i	i		i	i		i				
							16	8.0	53.2	18.0		39.2	50.6		36.2				
i	Informational measurement only, no limit available						20	i	i	i		i	i		i				
	Not evaluated against the test limit						25	i	i	i		i	i		i				
							31.25	i	i	i		i	i		i				
							62.5	i	i	i		i	i		i				
							100	21.3	39.9	12.0		23.3	37.1		20.3				
							200	i	i	i		i	i		i				
							250	35.9	33.1	8.0		15.3	30.2		12.3				
							350	i	i	i		i	i		i				

Korean Pre-Deploy 100MHz Channel

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25			999	555	50	1	2.2	60.0	17.0		57.4	57.0		54.4				
3,6 - 3,6							4	i	i	i		i	i		i				
4,5 - 4,5							8	i	i	i		i	i		i				
7,8 - 7,8							10	i	i	i		i	i		i				
							16	9.1	43.6	17.0		33.3	40.6		30.3				
i	Informational measurement only, no limit available						20	i	i	i		i	i		i				
	Not evaluated against the test limit						25	i	i	i		i	i		i				
							31.25	i	i	i		i	i		i				
							62.5	i	i	i		i	i		i				
							100	24.0	30.1	10.0		17.4	27.1		14.4				
							200	i	i	i		i	i		i				
							250	i	i	i		i	i		i				
							350	i	i	i		i	i		i				

Korean Pre-Deploy Comm

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	999			999	i	i	1	3.7	39.0	18.0									
3,6 - 3,6							4	6.6	29.0	18.0									
4,5 - 4,5							8	9.3	25.0	18.0									
7,8 - 7,8							10	10.7	23.0	18.0									
							16	14.0	19.0	15.0									
i	Informational measurement only, no limit available						20	i	i	i									
	Not evaluated against the test limit						25	i	i	i									
							31.25	i	i	i									
							62.5	i	i	i									
							100	i	i	i									
							200	i	i	i									
							250	i	i	i									
							350	i	i	i									

Korean Pre-Deploy Res.

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	999			999	i	i	1	5.8	25.0										
3,6 - 3,6							4	i	i										
4,5 - 4,5							8	i	i										
7,8 - 7,8							10	i	i										
							16	i	i										
i	Informational measurement only, no limit available						20	i	i										
	Not evaluated against the test limit						25	i	i										
							31.25	i	i										
							62.5	i	i										
							100	i	i										
							200	i	i										
							250	i	i										
							350	i	i										

GOST R 53245-2008 PL Cat 6

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25			90	498	44	1	3.0	65.0	19.1	62.0	64.2	62.0	59.0	61.2				
3,6 - 3,6							4	3.5	64.1	21.0	60.6	52.1	61.8	58.3	49.1				
4,5 - 4,5							8	5.0	59.4	21.0	54.4	46.1	57.0	52.1	43.1				
7,8 - 7,8							10	5.5	57.8	21.0	52.3	44.2	55.5	49.9	41.2				
							16	7.0	54.6	20.0	47.6	40.1	52.2	45.2	37.1				
i	Informational measurement only, no limit available						20	7.9	53.1	19.5	45.2	38.2	50.7	42.8	35.2				
	10% length rule - will fail when length > 99 m						25	8.9	51.5	19.0	42.7	36.2	49.1	40.2	33.2				
	Not evaluated against the test limit						31.25	10.0	50.0	18.5	40.0	34.3	47.5	37.6	31.3				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	14.4	45.1	16.0	30.8	28.3	42.7	28.3	25.3				
	If FEXT is < 67 dB, not evaluated against the test limit						100	18.6	41.8	14.0	23.3	24.2	39.3	20.7	21.2				
							200	27.4	36.9	11.0	9.6	18.2	34.3	7.0	15.2				
							250	31.1	35.3	10.0	4.2	16.2	32.7	1.6	13.2				
							350	i	i	i	i	i	i	i	i				

GOST R 53245-2008 PL Cat 5e

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25			90	498	44	1	3.0	60.0	19.0	57.0	58.6	57.0	54.0	55.6				
3,6 - 3,6							4	3.9	54.8	19.0	50.9	46.6	51.8	47.9	43.6				
4,5 - 4,5							8	5.5	50.0	19.0	44.5	40.6	47.0	41.5	37.6				
7,8 - 7,8							10	6.2	48.5	19.0	42.3	38.6	45.5	39.3	35.6				
							16	7.9	45.2	19.0	37.3	34.5	42.2	34.3	31.5				
i	Informational measurement only, no limit available						20	8.9	43.7	19.0	34.8	32.6	40.7	31.8	29.6				
	10% length rule - will fail when length > 99 m						25	10.0	42.1	18.0	32.1	30.7	39.1	29.1	27.7				
	Not evaluated against the test limit						31.25	11.2	40.5	17.1	29.3	28.7	37.5	26.3	25.7				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	16.2	35.7	14.1	19.4	22.7	32.7	16.4	19.7				
	If FEXT is < 67 dB, not evaluated against the test limit						100	21.0	32.3	12.0	11.3	18.6	29.3	8.3	15.6				
							200	i	i	i	i	i	i	i	i				
							250	i	i	i	i	i	i	i	i				
							350	i	i	i	i	i	i	i	i				

GOST R 53245-2008 Chan Cat6

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25			100	555	50	1	3.0	65.0	19.0	62.0	63.3	62.0	59.0	60.3				
3,6 - 3,6							4	4.0	63.0	19.0	59.0	51.2	60.5	56.5	48.2				
4,5 - 4,5							8	5.7	58.2	19.0	52.5	45.2	55.6	49.9	42.2				
7,8 - 7,8							10	6.3	56.6	19.0	50.2	43.3	54.0	47.7	40.3				
							16	8.0	53.2	18.0	45.2	39.2	50.6	42.6	36.2				
i	Informational measurement only, no limit available						20	9.0	51.6	17.5	42.6	37.2	49.0	39.9	34.2				
	10% length rule - will fail when length > 110 m						25	10.1	50.0	17.0	39.9	35.3	47.3	37.2	32.3				
	Not evaluated against the test limit						31.25	11.4	48.4	16.5	37.0	33.4	45.7	34.3	30.4				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	16.5	43.4	14.0	26.9	27.3	40.6	24.1	24.3				
	If FEXT is < 70 dB, not evaluated against the test limit						100	21.3	39.9	12.0	18.6	23.3	37.1	15.8	20.3				
							200	31.5	34.8	9.0	3.3	17.2	31.9	0.3	14.2				
							250	35.9	33.1	8.0	-2.8	15.3	30.2	-5.8	12.3				
							350	i	i	i	i	i	i	i	i				

GOST R 53245-2008 Chan Cat5e

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25			100	555	50	1	3.0	60.0	17.0	57.0	57.4	57.0	54.0	54.4				
3,6 - 3,6							4	4.5	53.5	17.0	49.1	45.4	50.5	46.1	42.4				
4,5 - 4,5							8	6.3	48.6	17.0	42.3	39.3	45.6	39.3	36.3				
7,8 - 7,8							10	7.1	47.0	17.0	39.9	37.4	44.0	36.9	34.4				
							16	9.1	43.6	17.0	34.5	33.3	40.6	31.5	30.3				
i	Informational measurement only, no limit available						20	10.2	42.0	17.0	31.8	31.4	39.0	28.8	28.4				
	10% length rule - will fail when length > 110 m						25	11.4	40.3	16.0	28.9	29.4	37.3	25.9	26.4				
	Not evaluated against the test limit						31.25	12.9	38.7	15.1	25.9	27.5	35.7	22.9	24.5				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	18.6	33.6	12.1	15.0	21.5	30.6	12.0	18.5				
	If FEXT is < 70 dB, not evaluated against the test limit						100	24.0	30.1	10.0	6.1	17.4	27.1	3.1	14.4				
							200	i	i	i	i	i	i	i	i				
							250	i	i	i	i	i	i	i	i				
							350	i	i	i	i	i	i	i	i				

EL-3600-9 Cat 6A Perm. Link

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	None	None	None	90	498	44	1	3.0	65.0	19.1	62.0	64.2	62.0	59.0	61.2				
3,6 - 3,6							4	3.5	64.1	21.0	60.5	52.1	61.8	58.3	49.1				
4,5 - 4,5							8	5.0	59.4	21.0	54.4	46.1	57.0	52.1	43.1				
7,8 - 7,8							10	5.5	57.8	21.0	52.3	44.2	55.5	50.0	41.2				
							16	7.0	54.6	20.0	47.6	40.1	52.2	45.2	37.1				
i	Informational measurement only, no limit available						20	7.8	53.1	19.5	45.2	38.2	50.7	42.8	35.2				
	10% length rule - will fail when length > 99 m						25	8.8	51.5	19.0	42.8	36.2	49.1	40.4	33.2				
	Not evaluated against the test limit						31.25	9.8	50.0	18.5	40.2	34.3	47.5	37.7	31.3				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	14.0	45.1	16.0	31.1	28.3	42.7	28.6	25.3				
	If FEXT is < 67 dB, not evaluated against the test limit						100	18.0	41.8	14.0	23.9	24.2	39.3	21.3	21.2				
							200	26.1	36.9	11.0	10.8	18.2	34.3	8.2	15.2				
							250	29.5	35.3	10.0	5.8	16.2	32.7	3.2	13.2				
							350	35.6	31.8	8.6	-3.8	13.3	29.1	-6.5	10.3				
							450	41.1	28.2	8.0	-13.0	11.1	25.3	-15.8	8.1				
							500	43.8	26.7	8.0	-17.1	10.2	23.8	-20.0	7.2				

EL-3600-9 Cat 6 Perm. Link

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25			90	498	44	1	3.0	65.0	19.1	62.0	64.2	62.0	59.0	61.2				
3,6 - 3,6							4	3.5	64.1	21.0	60.6	52.1	61.8	58.3	49.1				
4,5 - 4,5							8	5.0	59.4	21.0	54.4	46.1	57.0	52.1	43.1				
7,8 - 7,8							10	5.5	57.8	21.0	52.3	44.2	55.5	49.9	41.2				
							16	7.0	54.6	20.0	47.6	40.1	52.2	45.2	37.1				
i	Informational measurement only, no limit available						20	7.9	53.1	19.5	45.2	38.2	50.7	42.8	35.2				
	10% length rule - will fail when length > 99 m						25	8.9	51.5	19.0	42.7	36.2	49.1	40.2	33.2				
	Not evaluated against the test limit						31.25	10.0	50.0	18.5	40.0	34.3	47.5	37.6	31.3				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	14.4	45.1	16.0	30.8	28.3	42.7	28.3	25.3				
	If FEXT is < 67 dB, not evaluated against the test limit						100	18.6	41.8	14.0	23.3	24.2	39.3	20.7	21.2				
							200	27.4	36.9	11.0	9.6	18.2	34.3	7.0	15.2				
							250	31.1	35.3	10.0	4.2	16.2	32.7	1.6	13.2				
							350	i	i	i	i	i	i	i	i				

EL-3600-9 Cat 5e Perm. Link

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25			90	498	44	1	3.0	60.0	19.0	57.0	58.6	57.0	54.0	55.6				
3,6 - 3,6							4	3.9	54.8	19.0	50.9	46.6	51.8	47.9	43.6				
4,5 - 4,5							8	5.5	50.0	19.0	44.5	40.6	47.0	41.5	37.6				
7,8 - 7,8							10	6.2	48.5	19.0	42.3	38.6	45.5	39.3	35.6				
							16	7.9	45.2	19.0	37.3	34.5	42.2	34.3	31.5				
i	Informational measurement only, no limit available						20	8.9	43.7	19.0	34.8	32.6	40.7	31.8	29.6				
	10% length rule - will fail when length > 99 m						25	10.0	42.1	18.0	32.1	30.7	39.1	29.1	27.7				
	Not evaluated against the test limit						31.25	11.2	40.5	17.1	29.3	28.7	37.5	26.3	25.7				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	16.2	35.7	14.1	19.4	22.7	32.7	16.4	19.7				
	If FEXT is < 67 dB, not evaluated against the test limit						100	21.0	32.3	12.0	11.3	18.6	29.3	8.3	15.6				
							200	i	i	i	i	i	i	i	i				
							250	i	i	i	i	i	i	i	i				
							350	i	i	i	i	i	i	i	i				

EL-3600-9 Cat 6A Channel

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	None	None	None	100	555	50	1	3.0	65.0	19.0	62.0	63.3	62.0	59.0	60.3				
3,6 - 3,6							4	4.2	63.0	19.0	58.9	51.2	60.5	56.4	48.2				
4,5 - 4,5							8	5.8	58.2	19.0	52.4	45.2	55.6	49.8	42.2				
7,8 - 7,8							10	6.5	56.6	19.0	50.1	43.3	54.0	47.5	40.3				
							16	8.2	53.2	18.0	45.0	39.2	50.6	42.4	36.2				
i	Informational measurement only, no limit available						20	9.2	51.6	17.5	42.5	37.2	49.0	39.8	34.2				
	10% length rule - will fail when length > 99 m						25	10.2	50.0	17.0	39.8	35.3	47.3	37.1	32.3				
	Not evaluated against the test limit						31.25	11.5	48.4	16.5	36.9	33.4	45.7	34.2	30.4				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	16.4	43.4	14.0	27.0	27.3	40.6	24.2	24.3				
	If FEXT is < 67 dB, not evaluated against the test limit						100	20.9	39.9	12.0	19.0	23.3	37.1	16.2	20.3				
							200	30.1	34.8	9.0	4.7	17.2	31.9	1.8	14.2				
							250	33.9	33.1	8.0	-0.8	15.3	30.2	-3.7	12.3				
							350	40.6	30.3	6.6	-10.3	12.4	27.3	-13.3	9.4				
							450	46.5	27.3	6.0	-19.2	10.2	24.4	-22.1	7.2				
							500	49.3	26.1	6.0	-23.2	9.3	23.2	-26.1	6.3				

EL-3600-9 Cat 6 Channel

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25			100	555	50	1	3.0	65.0	19.0	62.0	63.3	62.0	59.0	60.3				
3,6 - 3,6							4	4.0	63.0	19.0	59.0	51.2	60.5	56.5	48.2				
4,5 - 4,5							8	5.7	58.2	19.0	52.5	45.2	55.6	49.9	42.2				
7,8 - 7,8							10	6.3	56.6	19.0	50.2	43.3	54.0	47.7	40.3				
							16	8.0	53.2	18.0	45.2	39.2	50.6	42.6	36.2				
i	Informational measurement only, no limit available						20	9.0	51.6	17.5	42.6	37.2	49.0	39.9	34.2				
	10% length rule - will fail when length > 110 m						25	10.1	50.0	17.0	39.9	35.3	47.3	37.2	32.3				
	Not evaluated against the test limit						31.25	11.4	48.4	16.5	37.0	33.4	45.7	34.3	30.4				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	16.5	43.4	14.0	26.9	27.3	40.6	24.1	24.3				
	If FEXT is < 70 dB, not evaluated against the test limit						100	21.3	39.9	12.0	18.6	23.3	37.1	15.8	20.3				
							200	31.5	34.8	9.0	3.3	17.2	31.9	0.3	14.2				
							250	35.9	33.1	8.0	-2.8	15.3	30.2	-5.8	12.3				
							350	i	i	i	i	i	i	i	i				

EL-3600-9 Cat 5e Channel

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		In a Pair	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25			100	555	50	1	3.0	60.0	17.0	57.0	57.4	57.0	54.0	54.4				
3,6 - 3,6							4	4.5	53.5	17.0	49.1	45.4	50.5	46.1	42.4				
4,5 - 4,5							8	6.3	48.6	17.0	42.3	39.3	45.6	39.3	36.3				
7,8 - 7,8							10	7.1	47.0	17.0	39.9	37.4	44.0	36.9	34.4				
							16	9.1	43.6	17.0	34.5	33.3	40.6	31.5	30.3				
i	Informational measurement only, no limit available						20	10.2	42.0	17.0	31.8	31.4	39.0	28.8	28.4				
	10% length rule - will fail when length > 110 m						25	11.4	40.3	16.0	28.9	29.4	37.3	25.9	26.4				
	Not evaluated against the test limit						31.25	12.9	38.7	15.1	25.9	27.5	35.7	22.9	24.5				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	18.6	33.6	12.1	15.0	21.5	30.6	12.0	18.5				
	If FEXT is < 70 dB, not evaluated against the test limit						100	24.0	30.1	10.0	6.1	17.4	27.1	3.1	14.4				
							200	i	i	i	i	i	i	i	i				
							250	i	i	i	i	i	i	i	i				
							350	i	i	i	i	i	i	i	i				

Copper Limit Lines - Cat6A Patch Cords

FLUKE networks

ISO Patch Cord Cat6A 0.5m

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss											
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65										
3,6 - 3,6							4		65	21.6									
4,5 - 4,5							8		65	22.5									
7,8 - 7,8							10		65	22.8									
							16		62.9	23.4									
i	Informational measurement only, no limit available						20		61	23.7									
							25		59.1	24									
							31.25		57.2	23									
							62.5		51.2	20									
							100		47.2	18									
							200		41.3	15									
							250		39.5	14									
							350		35.3	11.8									
							450		32.2	10.2									
							500		30.9	9.5									

ISO Patch Cord Cat6A 1.0m

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss											
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65										
3,6 - 3,6							4		65	21.6									
4,5 - 4,5							8		65	22.5									
7,8 - 7,8							10		65	22.8									
							16		62.5	23.4									
i	Informational measurement only, no limit available						20		60.5	23.7									
							25		58.6	24									
							31.25		56.7	23									
							62.5		50.8	20									
							100		46.8	18									
							200		41	15									
							250		39.2	14									
							350		35.2	11.8									
							450		32.2	10.2									
							500		31.0	9.5									

ISO Patch Cord Cat6A 1.5m

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss											
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65										
3,6 - 3,6							4		65	21.6									
4,5 - 4,5							8		65	22.5									
7,8 - 7,8							10		65	22.8									
							16		62	23.4									
i	Informational measurement only, no limit available						20		60.1	23.7									
							25		58.2	24									
							31.25		56.3	23									
							62.5		50.5	20									
							100		46.5	18									
							200		40.7	15									
							250		38.9	14									
							350		35.1	11.8									
							450		32.2	10.2									
							500		31.0	9.5									

ISO Patch Cord Cat6A 2.0m

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss											
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65										
3,6 - 3,6							4		65	21.6									
4,5 - 4,5							8		65	22.5									
7,8 - 7,8							10		65	22.8									
							16		61.7	23.4									
i	Informational measurement only, no limit available						20		59.8	23.7									
							25		57.9	24									
							31.25		56	23									
							62.5		50.1	20									
							100		46.2	18									
							200		40.5	15									
							250		38.7	14									
							350		35	11.8									
							450		32.2	10.2									
							500		31.0	9.5									

ISO Patch Cord Cat6A 2.5m

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss											
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65										
3,6 - 3,6							4		65	21.6									
4,5 - 4,5							8		65	22.5									
7,8 - 7,8							10		65	22.8									
							16		61.3	23.4									
i	Informational measurement only, no limit available						20		59.4	23.7									
							25		57.6	24									
							31.25		55.7	23									
							62.5		49.9	20									
							100		46	18									
							200		40.3	15									
							250		38.5	14									
							350		34.9	11.8									
							450		32.2	10.2									
							500		31.1	9.5									

ISO Patch Cord Cat6A 3.0m

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss											
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65										
3,6 - 3,6							4		65	21.6									
4,5 - 4,5							8		65	22.5									
7,8 - 7,8							10		65	22.8									
							16		61	23.4									
i	Informational measurement only, no limit available						20		59.2	23.7									
							25		57.3	24									
							31.25		55.4	23									
							62.5		49.6	20									
							100		45.7	18									
							200		40.1	15									
							250		38.4	14									
							350		34.9	11.8									
							450		32.2	10.2									
							500		31.1	9.5									

ISO Patch Cord Cat6A 3.5m

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss											
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65										
3,6 - 3,6							4		65	21.6									
4,5 - 4,5							8		65	22.5									
7,8 - 7,8							10		64.7	22.8									
							16		60.8	23.4									
i	Informational measurement only, no limit available						20		58.9	23.7									
							25		57	24									
							31.25		55.1	23									
							62.5		49.4	20									
							100		45.5	18									
							200		40	15									
							250		38.2	14									
							350		34.8	11.8									
							450		32.2	10.2									
							500		31.1	9.5									

ISO Patch Cord Cat6A 4.0m

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss											
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65										
3,6 - 3,6							4		65	21.6									
4,5 - 4,5							8		65	22.5									
7,8 - 7,8							10		64.4	22.8									
							16		60.5	23.4									
i	Informational measurement only, no limit available						20		58.6	23.7									
							25		56.8	24									
							31.25		54.9	23									
							62.5		49.2	20									
							100		45.4	18									
							200		39.9	15									
							250		38.1	14									
							350		34.8	11.8									
							450		32.3	10.2									
							500		31.2	9.5									

ISO Patch Cord Cat6A 5.0m

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss											
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65										
3,6 - 3,6							4		65	21.6									
4,5 - 4,5							8		65	22.5									
7,8 - 7,8							10		64	22.8									
							16		60.1	23.4									
i	Informational measurement only, no limit available						20		58.2	23.7									
							25		56.4	24									
							31.25		54.5	23									
							62.5		48.8	20									
							100		45.1	18									
							200		39.7	15									
							250		38	14									
							350		34.8	11.8									
							450		32.3	10.2									
							500		31.3	9.5									

ISO Patch Cord Cat6A 7.5m

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss											
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65										
3,6 - 3,6							4		65	21.6									
4,5 - 4,5							8		64.9	22.5									
7,8 - 7,8							10		63	22.8									
							16		59.2	23.4									
i	Informational measurement only, no limit available						20		57.4	23.7									
							25		55.5	24									
							31.25		53.7	23									
							62.5		48.2	20									
							100		44.5	18									
							200		39.3	15									
							250		37.7	14									
							350		34.7	11.8									
							450		32.5	10.2									
							500		31.5	9.5									

ISO Patch Cord Cat6A 10.0m

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss											
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65										
3,6 - 3,6							4		65	21.6									
4,5 - 4,5							8		64.2	22.5									
7,8 - 7,8							10		62.3	22.8									
							16		58.5	23.4									
i	Informational measurement only, no limit available						20		56.7	23.7									
							25		55	24									
							31.25		53.2	23									
							62.5		47.8	20									
							100		44.2	18									
							200		39.2	15									
							250		37.6	14									
							350		34.8	11.8									
							450		32.6	10.2									
							500		31.7	9.5									

ISO Patch Cord Cat6A 15.0m

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss											
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65										
3,6 - 3,6							4		65	21.6									
4,5 - 4,5							8		63.1	22.5									
7,8 - 7,8							10		61.4	22.8									
							16		57.7	23.4									
i	Informational measurement only, no limit available						20		55.9	23.7									
							25		54.2	24									
							31.25		52.5	23									
							62.5		47.3	20									
							100		43.9	18									
							200		39.1	15									
							250		37.5	14									
							350		34.9	11.8									
							450		32.8	10.2									
							500		31.9	9.5									

ISO Patch Cord Cat6A 20.0m

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss											
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65										
3,6 - 3,6							4		65	21.6									
4,5 - 4,5							8		62.4	22.5									
7,8 - 7,8							10		60.7	22.8									
							16		57.1	23.4									
i	Informational measurement only, no limit available						20		55.4	23.7									
							25		53.7	24									
							31.25		52	23									
							62.5		47	20									
							100		43.7	18									
							200		39.1	15									
							250		37.6	14									
							350		35	11.8									
							450		33	10.2									
							500		32.1	9.5									

ISO Patch Cord Cat6A >20.0m

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss											
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65										
3,6 - 3,6							4		65	21.6									
4,5 - 4,5							8		62.5	22.5									
7,8 - 7,8							10		60.8	22.8									
							16		57.1	23.4									
i	Informational measurement only, no limit available						20		55.4	23.7									
							25		53.7	24									
							31.25		52	23									
							62.5		47	20									
							100		43.7	18									
							200		39.1	15									
							250		37.6	14									
							350		35	11.8									
							450		33	10.2									
							500		32.1	9.5									

ISO Draft Patch Cord Cat6A 0.5m

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss	|Pair_36_45										
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0|65.0										
3,6 - 3,6							4		65.0|65.0	21.6									
4,5 - 4,5							8		65.0|65.0	22.5									
7,8 - 7,8							10		65.0|65.0	22.8									
							16		62.9|61.4	23.4									
i	Informational measurement only, no limit available						20		61.0|59.5	23.7									
							25		59.1|57.6	24									
							31.25		57.2|55.7	23									
							62.5		51.2|49.7	20									
							100		47.2|45.7	18									
							200		41.3|39.8	15									
							250		39.5|38.0	14									
							350		35.3|33.8	11.8									
							450		32.2|30.7	10.2									
							500		30.9|29.4	9.5									

ISO Draft Patch Cord Cat6A 1.0m

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss	|Pair_36_45										
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0|65.0										
3,6 - 3,6							4		65.0|65.0	21.6									
4,5 - 4,5							8		65.0|65.0	22.5									
7,8 - 7,8							10		65.0|65.0	22.8									
							16		62.5|61.0	23.4									
i	Informational measurement only, no limit available						20		60.5|59.0	23.7									
							25		58.6|57.1	24									
							31.25		56.7|55.2	23									
							62.5		50.8|49.3	20									
							100		46.8|45.3	18									
							200		41.0|39.5	15									
							250		39.2|37.7	14									
							350		35.2|33.7	11.8									
							450		32.2|30.7	10.2									
							500		31.0|29.5	9.5									

ISO Draft Patch Cord Cat6A 1.5m

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss	|Pair_36_45										
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0|65.0										
3,6 - 3,6							4		65.0|65.0	21.6									
4,5 - 4,5							8		65.0|65.0	22.5									
7,8 - 7,8							10		65.0|65.0	22.8									
							16		62.0|60.5	23.4									
i	Informational measurement only, no limit available						20		60.1|58.6	23.7									
							25		58.2|56.7	24									
							31.25		56.3|54.8	23									
							62.5		50.5|49.0	20									
							100		46.5|45.0	18									
							200		40.7|39.2	15									
							250		38.9|37.4	14									
							350		35.1|33.6	11.8									
							450		32.2|30.7	10.2									
							500		31.0|29.5	9.5									

ISO Draft Patch Cord Cat6A 2.0m

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss	|Pair_36_45										
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0|65.0										
3,6 - 3,6							4		65.0|65.0	21.6									
4,5 - 4,5							8		65.0|65.0	22.5									
7,8 - 7,8							10		65.0|65.0	22.8									
							16		61.7|60.2	23.4									
i	Informational measurement only, no limit available						20		59.8|58.3	23.7									
							25		57.9|56.4	24									
							31.25		56.0|54.5	23									
							62.5		50.1|48.6	20									
							100		46.2|44.7	18									
							200		40.5|39.0	15									
							250		38.7|37.2	14									
							350		35.0|33.5	11.8									
							450		32.2|30.7	10.2									
							500		31.0|29.5	9.5									

ISO Draft Patch Cord Cat6A 2.5m

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss	|Pair_36_45										
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0|65.0										
3,6 - 3,6							4		65.0|65.0	21.6									
4,5 - 4,5							8		65.0|65.0	22.5									
7,8 - 7,8							10		65.0|65.0	22.8									
							16		61.3|59.8	23.4									
i	Informational measurement only, no limit available						20		59.4|57.9	23.7									
							25		57.6|56.1	24									
							31.25		55.7|54.2	23									
							62.5		49.9|48.4	20									
							100		46.0|44.5	18									
							200		40.3|38.8	15									
							250		38.5|37.0	14									
							350		34.9|33.4	11.8									
							450		32.2|30.7	10.2									
							500		31.1|29.6	9.5									

ISO Draft Patch Cord Cat6A 3.0m

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss	|Pair_36_45										
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0|65.0										
3,6 - 3,6							4		65.0|65.0	21.6									
4,5 - 4,5							8		65.0|65.0	22.5									
7,8 - 7,8							10		65.0|63.5	22.8									
							16		61.0|59.5	23.4									
i	Informational measurement only, no limit available						20		59.2|57.7	23.7									
							25		57.3|55.8	24									
							31.25		55.4|53.9	23									
							62.5		49.6|48.1	20									
							100		45.7|44.2	18									
							200		40.1|38.6	15									
							250		38.4|36.9	14									
							350		34.9|33.4	11.8									
							450		32.2|30.7	10.2									
							500		31.1|29.6	9.5									

ISO Draft Patch Cord Cat6A 3.5m

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss	|Pair_36_45										
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0|65.0										
3,6 - 3,6							4		65.0|65.0	21.6									
4,5 - 4,5							8		65.0|65.0	22.5									
7,8 - 7,8							10		64.7|63.2	22.8									
							16		60.8|59.3	23.4									
i	Informational measurement only, no limit available						20		58.9|57.4	23.7									
							25		57.0|55.5	24									
							31.25		55.1|53.6	23									
							62.5		49.4|47.9	20									
							100		45.5|44.0	18									
							200		40.0|38.5	15									
							250		38.2|36.7	14									
							350		34.8|33.3	11.8									
							450		32.2|30.7	10.2									
							500		31.1|29.6	9.5									

ISO Draft Patch Cord Cat6A 4.0m

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss	|Pair_36_45										
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0|65.0										
3,6 - 3,6							4		65.0|65.0	21.6									
4,5 - 4,5							8		65.0|65.0	22.5									
7,8 - 7,8							10		64.4|62.9	22.8									
							16		60.5|59.0	23.4									
i	Informational measurement only, no limit available						20		58.6|57.1	23.7									
							25		56.8|55.3	24									
							31.25		54.9|53.4	23									
							62.5		49.2|47.7	20									
							100		45.4|43.9	18									
							200		39.9|38.4	15									
							250		38.1|36.6	14									
							350		34.8|33.3	11.8									
							450		32.3|30.8	10.2									
							500		31.2|29.7	9.5									

ISO Draft Patch Cord Cat6A 5.0m

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss	|Pair_36_45										
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0|65.0										
3,6 - 3,6							4		65.0|65.0	21.6									
4,5 - 4,5							8		65.0|65.0	22.5									
7,8 - 7,8							10		64.0|62.5	22.8									
							16		60.1|58.6	23.4									
i	Informational measurement only, no limit available						20		58.2|56.7	23.7									
							25		56.4|54.9	24									
							31.25		54.5|53.0	23									
							62.5		48.8|47.3	20									
							100		45.1|43.6	18									
							200		39.7|38.2	15									
							250		38.0|36.5	14									
							350		34.8|33.3	11.8									
							450		32.3|30.8	10.2									
							500		31.3|29.8	9.5									

ISO Draft Patch Cord Cat6A 7.5m

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss	|Pair_36_45										
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0|65.0										
3,6 - 3,6							4		65.0|65.0	21.6									
4,5 - 4,5							8		64.9|63.4	22.5									
7,8 - 7,8							10		63.0|61.5	22.8									
							16		59.2|57.7	23.4									
i	Informational measurement only, no limit available						20		57.4|55.9	23.7									
							25		55.5|54.0	24									
							31.25		53.7|52.2	23									
							62.5		48.2|46.7	20									
							100		44.5|43.0	18									
							200		39.3|37.8	15									
							250		37.7|36.2	14									
							350		34.7|33.2	11.8									
							450		32.5|31.0	10.2									
							500		31.5|30.0	9.5									

ISO Draft Patch Cord Cat6A 10.0m

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss	|Pair_36_45										
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0|65.0										
3,6 - 3,6							4		65.0|65.0	21.6									
4,5 - 4,5							8		64.2|62.7	22.5									
7,8 - 7,8							10		62.3|60.8	22.8									
							16		58.5|57.0	23.4									
i	Informational measurement only, no limit available						20		56.7|55.2	23.7									
							25		55.0|53.5	24									
							31.25		53.2|51.7	23									
							62.5		47.8|46.3	20									
							100		44.2|42.7	18									
							200		39.2|37.7	15									
							250		37.6|36.1	14									
							350		34.8|33.3	11.8									
							450		32.6|31.1	10.2									
							500		31.7|30.2	9.5									

ISO Draft Patch Cord Cat6A 15.0m

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss	|Pair_36_45										
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0|65.0										
3,6 - 3,6							4		65.0|65.0	21.6									
4,5 - 4,5							8		63.1|61.6	22.5									
7,8 - 7,8							10		61.4|59.9	22.8									
							16		57.7|56.2	23.4									
i	Informational measurement only, no limit available						20		55.9|54.4	23.7									
							25		54.2|52.7	24									
							31.25		52.5|51.0	23									
							62.5		47.3|45.8	20									
							100		43.9|42.4	18									
							200		39.1|37.6	15									
							250		37.5|36.0	14									
							350		34.9|33.4	11.8									
							450		32.8|31.3	10.2									
							500		31.9|30.4	9.5									

ISO Draft Patch Cord Cat6A 20.0m

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss	|Pair_36_45										
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0|65.0										
3,6 - 3,6							4		65.0|65.0	21.6									
4,5 - 4,5							8		62.4|60.9	22.5									
7,8 - 7,8							10		60.7|59.2	22.8									
							16		57.1|55.6	23.4									
i	Informational measurement only, no limit available						20		55.4|53.9	23.7									
							25		53.7|52.2	24									
							31.25		52.0|50.5	23									
							62.5		47.0|45.5	20									
							100		43.7|42.2	18									
							200		39.1|37.6	15									
							250		37.6|36.1	14									
							350		35.0|33.5	11.8									
							450		33.0|31.5	10.2									
							500		32.1|30.6	9.5									

ISO Draft Patch Cord Cat6A >20.0m

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss	|Pair_36_45										
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0|65.0										
3,6 - 3,6							4		65.0|65.0	21.6									
4,5 - 4,5							8		62.5|61.0	22.5									
7,8 - 7,8							10		60.8|59.3	22.8									
							16		57.1|55.6	23.4									
i	Informational measurement only, no limit available						20		55.4|53.9	23.7									
							25		53.7|52.2	24									
							31.25		52.0|50.5	23									
							62.5		47.0|45.5	20									
							100		43.7|42.2	18									
							200		39.1|37.6	15									
							250		37.6|36.1	14									
							350		35.0|33.5	11.8									
							450		33.0|31.5	10.2									
							500		32.1|30.6	9.5									

TIA 568.2-D Patch Cord Cat6A 0.5m

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss	|Pair_36_45										
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0|65.0	19.8									
3,6 - 3,6							4		65.0|65.0	21.6									
4,5 - 4,5							8		65.0|65.0	22.5									
7,8 - 7,8							10		65.0|65.0	22.8									
							16		63.0|61.7	23.4									
i	Informational measurement only, no limit available						20		61.1|59.7	23.7									
							25		59.2|57.8	24									
							31.25		57.3|55.9	23									
							62.5		51.3|50.0	20									
							100		47.3|45.9	18									
							200		41.4|40.0	15									
							250		39.5|38.2	14									
							350		35.4|34.0	11.8									
							450		32.2|30.8	10.2									
							500		30.9|29.5	9.5									

TIA 568.2-D Patch Cord Cat6A 1.0m

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss	|Pair_36_45										
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0|65.0	19.8									
3,6 - 3,6							4		65.0|65.0	21.6									
4,5 - 4,5							8		65.0|65.0	22.5									
7,8 - 7,8							10		65.0|65.0	22.8									
							16		62.6|61.4	23.4									
i	Informational measurement only, no limit available						20		60.7|59.5	23.7									
							25		58.8|57.6	24									
							31.25		56.9|55.6	23									
							62.5		51.0|49.7	20									
							100		47.0|45.7	18									
							200		41.1|39.9	15									
							250		39.3|38.0	14									
							350		35.2|33.9	11.8									
							450		32.2|30.9	10.2									
							500		30.9|29.6	9.5									

TIA 568.2-D Patch Cord Cat6A 1.5m

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss	|Pair_36_45										
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0|65.0	19.8									
3,6 - 3,6							4		65.0|65.0	21.6									
4,5 - 4,5							8		65.0|65.0	22.5									
7,8 - 7,8							10		65.0|65.0	22.8									
							16		62.3|61.1	23.4									
i	Informational measurement only, no limit available						20		60.4|59.2	23.7									
							25		58.5|57.3	24									
							31.25		56.6|55.4	23									
							62.5		50.7|49.5	20									
							100		46.7|45.5	18									
							200		40.9|39.7	15									
							250		39.0|37.9	14									
							350		35.1|33.9	11.8									
							450		32.2|30.9	10.2									
							500		31.0|29.7	9.5									

FLUKE networks

TIA 568.2-D Patch Cord Cat6A 2.0m

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss	|Pair_36_45										
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0|65.0	19.8									
3,6 - 3,6							4		65.0|65.0	21.6									
4,5 - 4,5							8		65.0|65.0	22.5									
7,8 - 7,8							10		65.0|64.9	22.8									
							16		62.0|60.9	23.4									
i	Informational measurement only, no limit available						20		60.1|59.0	23.7									
							25		58.2|57.1	24									
							31.25		56.3|55.2	23									
							62.5		50.4|49.3	20									
							100		46.4|45.4	18									
							200		40.7|39.6	15									
							250		38.9|37.8	14									
							350		35.1|33.9	11.8									
							450		32.2|31.0	10.2									
							500		31.0|29.7	9.5									

TIA 568.2-D Patch Cord Cat6A 2.5m

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss	|Pair_36_45										
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0|65.0	19.8									
3,6 - 3,6							4		65.0|65.0	21.6									
4,5 - 4,5							8		65.0|65.0	22.5									
7,8 - 7,8							10		65.0|64.7	22.8									
							16		61.7|60.7	23.4									
i	Informational measurement only, no limit available						20		59.8|58.8	23.7									
							25		57.9|56.9	24									
							31.25		56.0|55.0	23									
							62.5		50.1|49.1	20									
							100		46.2|45.2	18									
							200		40.5|39.5	15									
							250		38.7|37.7	14									
							350		35.0|33.9	11.8									
							450		32.2|31.0	10.2									
							500		31.0|29.8	9.5									

FLUKE networks

TIA 568.2-D Patch Cord Cat6A 3.0m

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss	|Pair_36_45										
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0|65.0	19.8									
3,6 - 3,6							4		65.0|65.0	21.6									
4,5 - 4,5							8		65.0|65.0	22.5									
7,8 - 7,8							10		65.0|64.5	22.8									
							16		61.4|60.5	23.4									
i	Informational measurement only, no limit available						20		59.5|58.6	23.7									
							25		57.6|56.7	24									
							31.25		55.7|54.8	23									
							62.5		49.9|49.0	20									
							100		46.0|45.1	18									
							200		40.3|39.4	15									
							250		38.5|37.6	14									
							350		34.9|33.9	11.8									
							450		32.2|31.1	10.2									
							500		31.0|29.9	9.5									

TIA 568.2-D Patch Cord Cat6A 3.5m

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss	|Pair_36_45										
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0|65.0	19.8									
3,6 - 3,6							4		65.0|65.0	21.6									
4,5 - 4,5							8		65.0|65.0	22.5									
7,8 - 7,8							10		65.0|64.3	22.8									
							16		61.2|60.3	23.4									
i	Informational measurement only, no limit available						20		59.3|58.4	23.7									
							25		57.4|56.5	24									
							31.25		55.5|54.6	23									
							62.5		49.7|48.8	20									
							100		45.8|44.9	18									
							200		40.2|39.3	15									
							250		38.4|37.5	14									
							350		34.9|33.9	11.8									
							450		32.2|31.1	10.2									
							500		31.1|30.0	9.5									

TIA 568.2-D Patch Cord Cat6A 4.0m

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss	|Pair_36_45										
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0|65.0	19.8									
3,6 - 3,6							4		65.0|65.0	21.6									
4,5 - 4,5							8		65.0|65.0	22.5									
7,8 - 7,8							10		64.9|64.1	22.8									
							16		60.9|60.1	23.4									
i	Informational measurement only, no limit available						20		59.0|58.2	23.7									
							25		57.2|56.3	24									
							31.25		55.3|54.5	23									
							62.5		49.5|48.7	20									
							100		45.7|44.8	18									
							200		40.1|39.2	15									
							250		38.3|37.5	14									
							350		34.9|33.9	11.8									
							450		32.2|31.2	10.2									
							500		31.1|30.0	9.5									

TIA 568.2-D Patch Cord Cat6A 5.0m

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss	|Pair_36_45										
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0|65.0	19.8									
3,6 - 3,6							4		65.0|65.0	21.6									
4,5 - 4,5							8		65.0|65.0	22.5									
7,8 - 7,8							10		64.5|63.7	22.8									
							16		60.5|59.8	23.4									
i	Informational measurement only, no limit available						20		58.6|57.9	23.7									
							25		56.8|56.0	24									
							31.25		54.9|54.2	23									
							62.5		49.2|48.4	20									
							100		45.4|44.6	18									
							200		39.9|39.1	15									
							250		38.1|37.4	14									
							350		34.8|33.9	11.8									
							450		32.3|31.3	10.2									
							500		31.2|30.2	9.5									

TIA 568.2-D Patch Cord Cat6A 7.5m

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss	|Pair_36_45										
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0|65.0	19.8									
3,6 - 3,6							4		65.0|65.0	21.6									
4,5 - 4,5							8		65.0|64.9	22.5									
7,8 - 7,8							10		63.6|63.0	22.8									
							16		59.7|59.1	23.4									
i	Informational measurement only, no limit available						20		57.8|57.2	23.7									
							25		56.0|55.4	24									
							31.25		54.2|53.6	23									
							62.5		48.6|47.9	20									
							100		44.8|44.2	18									
							200		39.5|38.9	15									
							250		37.8|37.2	14									
							350		34.7|34.0	11.8									
							450		32.4|31.5	10.2									
							500		31.4|30.5	9.5									

TIA 568.2-D Patch Cord Cat6A 10.0m

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss	|Pair_36_45										
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0|65.0	19.8									
3,6 - 3,6							4		65.0|65.0	21.6									
4,5 - 4,5							8		64.8|64.3	22.5									
7,8 - 7,8							10		62.9|62.4	22.8									
							16		59.1|58.6	23.4									
i	Informational measurement only, no limit available						20		57.2|56.7	23.7									
							25		55.4|54.9	24									
							31.25		53.6|53.1	23									
							62.5		48.1|47.6	20									
							100		44.5|44.0	18									
							200		39.3|38.8	15									
							250		37.7|37.1	14									
							350		34.7|34.1	11.8									
							450		32.5|31.7	10.2									
							500		31.5|30.7	9.5									

FLUKE networks

TIA 568.2-D Patch Cord Cat6A 15.0m

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss	|Pair_36_45										
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0|65.0	19.8									
3,6 - 3,6							4		65.0|65.0	21.6									
4,5 - 4,5							8		63.8|63.4	22.5									
7,8 - 7,8							10		62.0|61.6	22.8									
							16		58.2|57.8	23.4									
i	Informational measurement only, no limit available						20		56.4|56.0	23.7									
							25		54.6|54.2	24									
							31.25		52.9|52.5	23									
							62.5		47.5|47.1	20									
							100		44.0|43.6	18									
							200		39.1|38.7	15									
							250		37.6|37.1	14									
							350		34.8|34.3	11.8									
							450		32.7|32.0	10.2									
							500		31.8|31.1	9.5									

TIA 568.2-D Patch Cord Cat6A 20.0m

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss	|Pair_36_45										
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0|65.0	19.8									
3,6 - 3,6							4		65.0|65.0	21.6									
4,5 - 4,5							8		63.1|62.8	22.5									
7,8 - 7,8							10		61.3|61.0	22.8									
							16		57.5|57.2	23.4									
i	Informational measurement only, no limit available						20		55.8|55.5	23.7									
							25		54.1|53.8	24									
							31.25		52.4|52.1	23									
							62.5		47.2|46.9	20									
							100		43.8|43.5	18									
							200		39.0|38.7	15									
							250		37.5|37.2	14									
							350		34.9|34.4	11.8									
							450		32.9|32.3	10.2									
							500		32.0|31.3	9.5									

TIA 568.2-D Patch Cord Cat6A >20.0m

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss	|Pair_36_45										
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0|65.0	19.8									
3,6 - 3,6							4		65.0|65.0	21.6									
4,5 - 4,5							8		63.1|62.8	22.5									
7,8 - 7,8							10		61.3|61.0	22.8									
							16		57.6|57.2	23.4									
i	Informational measurement only, no limit available						20		55.8|55.5	23.7									
							25		54.1|53.8	24									
							31.25		52.4|52.1	23									
							62.5		47.2|46.9	20									
							100		43.8|43.5	18									
							200		39.0|38.7	15									
							250		37.5|37.2	14									
							350		34.4|34.4	11.8									
							450		31.7|32.3	10.2									
							500		30.5|31.3	9.5									

TIA 568.2-D C6A 0.5m Patch (LA)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss	|Pair_36_45										
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0|65.0	19.8									
3,6 - 3,6							4		65.0|65.0	21.6									
4,5 - 4,5							8		65.0|65.0	22.5									
7,8 - 7,8							10		65.0|65.0	22.8									
							16		63.0|61.7	23.4									
i	Informational measurement only, no limit available						20		61.1|59.7	23.7									
							25		59.2|57.8	24									
							31.25		57.3|55.9	23									
							62.5		51.3|50.0	20									
							100		47.3|45.9	18									
							200		41.4|40.0	15									
							250		39.5|38.2	14									
							350		34.0|34.0	11.8									
							450		29.8|30.8	10.2									
							500		28.0|29.5	9.5									

TIA 568.2-D C6A 1m Patch (LA)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss	|Pair_36_45										
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0|65.0	19.8									
3,6 - 3,6							4		65.0|65.0	21.6									
4,5 - 4,5							8		65.0|65.0	22.5									
7,8 - 7,8							10		65.0|65.0	22.8									
							16		62.6|61.4	23.4									
i	Informational measurement only, no limit available						20		60.7|59.5	23.7									
							25		58.8|57.6	24									
							31.25		56.9|55.6	23									
							62.5		51.0|49.7	20									
							100		47.0|45.7	18									
							200		41.1|39.9	15									
							250		39.3|38.0	14									
							350		34.0|33.9	11.8									
							450		29.9|30.9	10.2									
							500		28.2|29.6	9.5									

TIA 568.2-D C6A 1.5m Patch (LA)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss	|Pair_36_45										
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0|65.0	19.8									
3,6 - 3,6							4		65.0|65.0	21.6									
4,5 - 4,5							8		65.0|65.0	22.5									
7,8 - 7,8							10		65.0|65.0	22.8									
							16		62.3|61.1	23.4									
i	Informational measurement only, no limit available						20		60.4|59.2	23.7									
							25		58.5|57.3	24									
							31.25		56.6|55.4	23									
							62.5		50.7|49.5	20									
							100		46.7|45.5	18									
							200		40.9|39.7	15									
							250		39.0|37.9	14									
							350		33.9|33.9	11.8									
							450		30.0|30.9	10.2									
							500		28.3|29.7	9.5									

FLUKE networks

TIA 568.2-D C6A 2m Patch (LA)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss	|Pair_36_45										
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0|65.0	19.8									
3,6 - 3,6							4		65.0|65.0	21.6									
4,5 - 4,5							8		65.0|65.0	22.5									
7,8 - 7,8							10		65.0|64.9	22.8									
							16		62.0|60.9	23.4									
i	Informational measurement only, no limit available						20		60.1|59.0	23.7									
							25		58.2|57.1	24									
							31.25		56.3|55.2	23									
							62.5		50.4|49.3	20									
							100		46.4|45.4	18									
							200		40.7|39.6	15									
							250		38.9|37.8	14									
							350		33.9|33.9	11.8									
							450		30.1|31.0	10.2									
							500		28.4|29.7	9.5									

TIA 568.2-D C6A 2.5m Patch (LA)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss	|Pair_36_45										
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0|65.0	19.8									
3,6 - 3,6							4		65.0|65.0	21.6									
4,5 - 4,5							8		65.0|65.0	22.5									
7,8 - 7,8							10		65.0|64.7	22.8									
							16		61.7|60.7	23.4									
i	Informational measurement only, no limit available						20		59.8|58.8	23.7									
							25		57.9|56.9	24									
							31.25		56.0|55.0	23									
							62.5		50.1|49.1	20									
							100		46.2|45.2	18									
							200		40.5|39.5	15									
							250		38.7|37.7	14									
							350		33.9|33.9	11.8									
							450		30.1|31.0	10.2									
							500		28.5|29.8	9.5									

FLUKE networks

TIA 568.2-D C6A 3m Patch (LA)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss	|Pair_36_45										
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0|65.0	19.8									
3,6 - 3,6							4		65.0|65.0	21.6									
4,5 - 4,5							8		65.0|65.0	22.5									
7,8 - 7,8							10		65.0|64.5	22.8									
							16		61.4|60.5	23.4									
i	Informational measurement only, no limit available						20		59.5|58.6	23.7									
							25		57.6|56.7	24									
							31.25		55.7|54.8	23									
							62.5		49.9|49.0	20									
							100		46.0|45.1	18									
							200		40.3|39.4	15									
							250		38.5|37.6	14									
							350		33.9|33.9	11.8									
							450		30.2|31.1	10.2									
							500		28.6|29.9	9.5									

TIA 568.2-D C6A 3.5m Patch (LA)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss	|Pair_36_45										
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0|65.0	19.8									
3,6 - 3,6							4		65.0|65.0	21.6									
4,5 - 4,5							8		65.0|65.0	22.5									
7,8 - 7,8							10		65.0|64.3	22.8									
							16		61.2|60.3	23.4									
i	Informational measurement only, no limit available						20		59.3|58.4	23.7									
							25		57.4|56.5	24									
							31.25		55.5|54.6	23									
							62.5		49.7|48.8	20									
							100		45.8|44.9	18									
							200		40.2|39.3	15									
							250		38.4|37.5	14									
							350		33.9|33.9	11.8									
							450		30.3|31.1	10.2									
							500		28.7|30.0	9.5									

FLUKE networks

TIA 568.2-D C6A 4m Patch (LA)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss	|Pair_36_45										
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0|65.0	19.8									
3,6 - 3,6							4		65.0|65.0	21.6									
4,5 - 4,5							8		65.0|65.0	22.5									
7,8 - 7,8							10		64.9|64.1	22.8									
							16		60.9|60.1	23.4									
i	Informational measurement only, no limit available						20		59.0|58.2	23.7									
							25		57.2|56.3	24									
							31.25		55.3|54.5	23									
							62.5		49.5|48.7	20									
							100		45.7|44.8	18									
							200		40.1|39.2	15									
							250		38.3|37.5	14									
							350		33.9|33.9	11.8									
							450		30.4|31.2	10.2									
							500		28.8|30.0	9.5									

TIA 568.2-D C6A 5m Patch (LA)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss	|Pair_36_45										
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0|65.0	19.8									
3,6 - 3,6							4		65.0|65.0	21.6									
4,5 - 4,5							8		65.0|65.0	22.5									
7,8 - 7,8							10		64.5|63.7	22.8									
							16		60.5|59.8	23.4									
i	Informational measurement only, no limit available						20		58.6|57.9	23.7									
							25		56.8|56.0	24									
							31.25		54.9|54.2	23									
							62.5		49.2|48.4	20									
							100		45.4|44.6	18									
							200		39.9|39.1	15									
							250		38.1|37.4	14									
							350		33.9|33.9	11.8									
							450		30.5|31.3	10.2									
							500		29.0|30.2	9.5									

FLUKE networks

TIA 568.2-D C6A 7.5m Patch (LA)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss	|Pair_36_45										
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0|65.0	19.8									
3,6 - 3,6							4		65.0|65.0	21.6									
4,5 - 4,5							8		65.0|64.9	22.5									
7,8 - 7,8							10		63.6|63.0	22.8									
							16		59.7|59.1	23.4									
i	Informational measurement only, no limit available						20		57.8|57.2	23.7									
							25		56.0|55.4	24									
							31.25		54.2|53.6	23									
							62.5		48.6|47.9	20									
							100		44.8|44.2	18									
							200		39.5|38.9	15									
							250		37.8|37.2	14									
							350		34.0|34.0	11.8									
							450		30.8|31.5	10.2									
							500		29.4|30.5	9.5									

TIA 568.2-D C6A 10m Patch (LA)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss	|Pair_36_45										
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0|65.0	19.8									
3,6 - 3,6							4		65.0|65.0	21.6									
4,5 - 4,5							8		64.8|64.3	22.5									
7,8 - 7,8							10		62.9|62.4	22.8									
							16		59.1|58.6	23.4									
i	Informational measurement only, no limit available						20		57.2|56.7	23.7									
							25		55.4|54.9	24									
							31.25		53.6|53.1	23									
							62.5		48.1|47.6	20									
							100		44.5|44.0	18									
							200		39.3|38.8	15									
							250		37.7|37.1	14									
							350		34.1|34.1	11.8									
							450		31.1|31.7	10.2									
							500		29.8|30.7	9.5									

FLUKE networks

TIA 568.2-D C6A 15m Patch (LA)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss	|Pair_36_45										
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0|65.0	19.8									
3,6 - 3,6							4		65.0|65.0	21.6									
4,5 - 4,5							8		63.8|63.4	22.5									
7,8 - 7,8							10		62.0|61.6	22.8									
							16		58.2|57.8	23.4									
i	Informational measurement only, no limit available						20		56.4|56.0	23.7									
							25		54.6|54.2	24									
							31.25		52.9|52.5	23									
							62.5		47.5|47.1	20									
							100		44.0|43.6	18									
							200		39.1|38.7	15									
							250		37.6|37.1	14									
							350		34.3|34.3	11.8									
							450		31.5|32.0	10.2									
							500		30.2|31.1	9.5									

TIA 568.2-D C6A 20m Patch (LA)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss	|Pair_36_45										
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0|65.0	19.8									
3,6 - 3,6							4		65.0|65.0	21.6									
4,5 - 4,5							8		63.1|62.8	22.5									
7,8 - 7,8							10		61.3|61.0	22.8									
							16		57.5|57.2	23.4									
i	Informational measurement only, no limit available						20		55.8|55.5	23.7									
							25		54.1|53.8	24									
							31.25		52.4|52.1	23									
							62.5		47.2|46.9	20									
							100		43.8|43.5	18									
							200		39.0|38.7	15									
							250		37.5|37.2	14									
							350		34.4|34.4	11.8									
							450		31.7|32.3	10.2									
							500		30.5|31.3	9.5									

ISO C6A 0.5m Patch Cord (LA)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss											
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65										
3,6 - 3,6							4		65	21.6									
4,5 - 4,5							8		65	22.5									
7,8 - 7,8							10		65	22.8									
							16		62.9	23.4									
i	Informational measurement only, no limit available						20		61	23.7									
							25		59.1	24									
							31.25		57.2	23									
							62.5		51.2	20									
							100		47.2	18									
							200		41.3	15									
							250		39.5	14									
							350		35.3	11.8									
							450		32.2	10.2									
							500		30.9	9.5									

ISO C6A 1.0m Patch Cord (LA)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss											
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65										
3,6 - 3,6							4		65	21.6									
4,5 - 4,5							8		65	22.5									
7,8 - 7,8							10		65	22.8									
							16		62.5	23.4									
i	Informational measurement only, no limit available						20		60.5	23.7									
							25		58.6	24									
							31.25		56.7	23									
							62.5		50.8	20									
							100		46.8	18									
							200		41	15									
							250		39.2	14									
							350		35.2	11.8									
							450		32.2	10.2									
							500		31.0	9.5									

ISO C6A 1.5m Patch Cord (LA)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss											
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65										
3,6 - 3,6							4		65	21.6									
4,5 - 4,5							8		65	22.5									
7,8 - 7,8							10		65	22.8									
							16		62	23.4									
i	Informational measurement only, no limit available						20		60.1	23.7									
							25		58.2	24									
							31.25		56.3	23									
							62.5		50.5	20									
							100		46.5	18									
							200		40.7	15									
							250		38.9	14									
							350		35.1	11.8									
							450		32.2	10.2									
							500		31.0	9.5									

ISO C6A 2.0m Patch Cord (LA)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss											
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65										
3,6 - 3,6							4		65	21.6									
4,5 - 4,5							8		65	22.5									
7,8 - 7,8							10		65	22.8									
							16		61.7	23.4									
i	Informational measurement only, no limit available						20		59.8	23.7									
							25		57.9	24									
							31.25		56	23									
							62.5		50.1	20									
							100		46.2	18									
							200		40.5	15									
							250		38.7	14									
							350		35	11.8									
							450		32.2	10.2									
							500		31.0	9.5									

ISO C6A 2.5m Patch Cord (LA)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss											
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65										
3,6 - 3,6							4		65	21.6									
4,5 - 4,5							8		65	22.5									
7,8 - 7,8							10		65	22.8									
							16		61.3	23.4									
i	Informational measurement only, no limit available						20		59.4	23.7									
							25		57.6	24									
							31.25		55.7	23									
							62.5		49.9	20									
							100		46	18									
							200		40.3	15									
							250		38.5	14									
							350		34.9	11.8									
							450		32.2	10.2									
							500		31.1	9.5									

ISO C6A 3.0m Patch Cord (LA)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss											
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65										
3,6 - 3,6							4		65	21.6									
4,5 - 4,5							8		65	22.5									
7,8 - 7,8							10		65	22.8									
							16		61	23.4									
i	Informational measurement only, no limit available						20		59.2	23.7									
							25		57.3	24									
							31.25		55.4	23									
							62.5		49.6	20									
							100		45.7	18									
							200		40.1	15									
							250		38.4	14									
							350		34.9	11.8									
							450		32.2	10.2									
							500		31.1	9.5									

ISO C6A 3.5m Patch Cord (LA)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss											
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65										
3,6 - 3,6							4		65	21.6									
4,5 - 4,5							8		65	22.5									
7,8 - 7,8							10		64.7	22.8									
							16		60.8	23.4									
i	Informational measurement only, no limit available						20		58.9	23.7									
							25		57	24									
							31.25		55.1	23									
							62.5		49.4	20									
							100		45.5	18									
							200		40	15									
							250		38.2	14									
							350		34.8	11.8									
							450		32.2	10.2									
							500		31.1	9.5									

ISO C6A 4.0m Patch Cord (LA)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss											
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65										
3,6 - 3,6							4		65	21.6									
4,5 - 4,5							8		65	22.5									
7,8 - 7,8							10		64.4	22.8									
							16		60.5	23.4									
i	Informational measurement only, no limit available						20		58.6	23.7									
							25		56.8	24									
							31.25		54.9	23									
							62.5		49.2	20									
							100		45.4	18									
							200		39.9	15									
							250		38.1	14									
							350		34.8	11.8									
							450		32.3	10.2									
							500		31.2	9.5									

ISO C6A 5.0m Patch Cord (LA)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss											
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65										
3,6 - 3,6							4		65	21.6									
4,5 - 4,5							8		65	22.5									
7,8 - 7,8							10		64	22.8									
							16		60.1	23.4									
i	Informational measurement only, no limit available						20		58.2	23.7									
							25		56.4	24									
							31.25		54.5	23									
							62.5		48.8	20									
							100		45.1	18									
							200		39.7	15									
							250		38	14									
							350		34.8	11.8									
							450		32.3	10.2									
							500		31.3	9.5									

ISO C6A 7.5m Patch Cord (LA)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss											
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65										
3,6 - 3,6							4		65	21.6									
4,5 - 4,5							8		64.9	22.5									
7,8 - 7,8							10		63	22.8									
							16		59.2	23.4									
i	Informational measurement only, no limit available						20		57.4	23.7									
							25		55.5	24									
							31.25		53.7	23									
							62.5		48.2	20									
							100		44.5	18									
							200		39.3	15									
							250		37.7	14									
							350		34.7	11.8									
							450		32.5	10.2									
							500		31.5	9.5									

ISO C6A 10.0m Patch Cord (LA)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss											
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65										
3,6 - 3,6							4		65	21.6									
4,5 - 4,5							8		64.2	22.5									
7,8 - 7,8							10		62.3	22.8									
							16		58.5	23.4									
i	Informational measurement only, no limit available						20		56.7	23.7									
							25		55	24									
							31.25		53.2	23									
							62.5		47.8	20									
							100		44.2	18									
							200		39.2	15									
							250		37.6	14									
							350		34.8	11.8									
							450		32.6	10.2									
							500		31.7	9.5									

ISO C6A 15.0m Patch Cord (LA)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss											
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65										
3,6 - 3,6							4		65	21.6									
4,5 - 4,5							8		63.1	22.5									
7,8 - 7,8							10		61.4	22.8									
							16		57.7	23.4									
i	Informational measurement only, no limit available						20		55.9	23.7									
							25		54.2	24									
							31.25		52.5	23									
							62.5		47.3	20									
							100		43.9	18									
							200		39.1	15									
							250		37.5	14									
							350		34.9	11.8									
							450		32.8	10.2									
							500		31.9	9.5									

ISO C6A 20.0m Patch Cord (LA)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss											
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65										
3,6 - 3,6							4		65	21.6									
4,5 - 4,5							8		62.4	22.5									
7,8 - 7,8							10		60.7	22.8									
							16		57.1	23.4									
i	Informational measurement only, no limit available						20		55.4	23.7									
							25		53.7	24									
							31.25		52	23									
							62.5		47	20									
							100		43.7	18									
							200		39.1	15									
							250		37.6	14									
							350		35	11.8									
							450		33	10.2									
							500		32.1	9.5									

ISO Draft C6A 0.5m Patch Cord (LA)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss	|Pair_36_45										
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0|65.0										
3,6 - 3,6							4		65.0|65.0	21.6									
4,5 - 4,5							8		65.0|65.0	22.5									
7,8 - 7,8							10		65.0|65.0	22.8									
							16		62.9|61.4	23.4									
i	Informational measurement only, no limit available						20		61.0|59.5	23.7									
							25		59.1|57.6	24									
							31.25		57.2|55.7	23									
							62.5		51.2|49.7	20									
							100		47.2|45.7	18									
							200		41.3|39.8	15									
							250		39.5|38.0	14									
							350		35.3|33.8	11.8									
							450		32.2|30.7	10.2									
							500		30.9|29.4	9.5									

ISO Draft C6A 1.0m Patch Cord (LA)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss	|Pair_36_45										
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0|65.0										
3,6 - 3,6							4		65.0|65.0	21.6									
4,5 - 4,5							8		65.0|65.0	22.5									
7,8 - 7,8							10		65.0|65.0	22.8									
							16		62.5|61.0	23.4									
i	Informational measurement only, no limit available						20		60.5|59.0	23.7									
							25		58.6|57.1	24									
							31.25		56.7|55.2	23									
							62.5		50.8|49.3	20									
							100		46.8|45.3	18									
							200		41.0|39.5	15									
							250		39.2|37.7	14									
							350		35.2|33.7	11.8									
							450		32.2|30.7	10.2									
							500		31.0|29.5	9.5									

ISO Draft C6A 1.5m Patch Cord (LA)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss	|Pair_36_45										
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0|65.0										
3,6 - 3,6							4		65.0|65.0	21.6									
4,5 - 4,5							8		65.0|65.0	22.5									
7,8 - 7,8							10		65.0|65.0	22.8									
							16		62.0|60.5	23.4									
i	Informational measurement only, no limit available						20		60.1|58.6	23.7									
							25		58.2|56.7	24									
							31.25		56.3|54.8	23									
							62.5		50.5|49.0	20									
							100		46.5|45.0	18									
							200		40.7|39.2	15									
							250		38.9|37.4	14									
							350		35.1|33.6	11.8									
							450		32.2|30.7	10.2									
							500		31.0|29.5	9.5									

ISO Draft C6A 2.0m Patch Cord (LA)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss	|Pair_36_45										
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0|65.0										
3,6 - 3,6							4		65.0|65.0	21.6									
4,5 - 4,5							8		65.0|65.0	22.5									
7,8 - 7,8							10		65.0|65.0	22.8									
							16		61.7|60.2	23.4									
i	Informational measurement only, no limit available						20		59.8|58.3	23.7									
							25		57.9|56.4	24									
							31.25		56.0|54.5	23									
							62.5		50.1|48.6	20									
							100		46.2|44.7	18									
							200		40.5|39.0	15									
							250		38.7|37.2	14									
							350		35.0|33.5	11.8									
							450		32.2|30.7	10.2									
							500		31.0|29.5	9.5									

ISO Draft C6A 2.5m Patch Cord (LA)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss	|Pair_36_45										
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0|65.0										
3,6 - 3,6							4		65.0|65.0	21.6									
4,5 - 4,5							8		65.0|65.0	22.5									
7,8 - 7,8							10		65.0|65.0	22.8									
							16		61.3|59.8	23.4									
i	Informational measurement only, no limit available						20		59.4|57.9	23.7									
							25		57.6|56.1	24									
							31.25		55.7|54.2	23									
							62.5		49.9|48.4	20									
							100		46.0|44.5	18									
							200		40.3|38.8	15									
							250		38.5|37.0	14									
							350		34.9|33.4	11.8									
							450		32.2|30.7	10.2									
							500		31.1|29.6	9.5									

ISO Draft C6A 3.0m Patch Cord (LA)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss	|Pair_36_45										
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0|65.0										
3,6 - 3,6							4		65.0|65.0	21.6									
4,5 - 4,5							8		65.0|65.0	22.5									
7,8 - 7,8							10		65.0|63.5	22.8									
							16		61.0|59.5	23.4									
i	Informational measurement only, no limit available						20		59.2|57.7	23.7									
							25		57.3|55.8	24									
							31.25		55.4|53.9	23									
							62.5		49.6|48.1	20									
							100		45.7|44.2	18									
							200		40.1|38.6	15									
							250		38.4|36.9	14									
							350		34.9|33.4	11.8									
							450		32.2|30.7	10.2									
							500		31.1|29.6	9.5									

ISO Draft C6A 3.5m Patch Cord (LA)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss	|Pair_36_45										
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0|65.0										
3,6 - 3,6							4		65.0|65.0	21.6									
4,5 - 4,5							8		65.0|65.0	22.5									
7,8 - 7,8							10		64.7|63.2	22.8									
							16		60.8|59.3	23.4									
i	Informational measurement only, no limit available						20		58.9|57.4	23.7									
							25		57.0|55.5	24									
							31.25		55.1|53.6	23									
							62.5		49.4|47.9	20									
							100		45.5|44.0	18									
							200		40.0|38.5	15									
							250		38.2|36.7	14									
							350		34.8|33.3	11.8									
							450		32.2|30.7	10.2									
							500		31.1|29.6	9.5									

ISO Draft C6A 4.0m Patch Cord (LA)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss	|Pair_36_45										
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0|65.0										
3,6 - 3,6							4		65.0|65.0	21.6									
4,5 - 4,5							8		65.0|65.0	22.5									
7,8 - 7,8							10		64.4|62.9	22.8									
							16		60.5|59.0	23.4									
i	Informational measurement only, no limit available						20		58.6|57.1	23.7									
							25		56.8|55.3	24									
							31.25		54.9|53.4	23									
							62.5		49.2|47.7	20									
							100		45.4|43.9	18									
							200		39.9|38.4	15									
							250		38.1|36.6	14									
							350		34.8|33.3	11.8									
							450		32.3|30.8	10.2									
							500		31.2|29.7	9.5									

ISO Draft C6A 5.0m Patch Cord (LA)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss	|Pair_36_45										
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0|65.0										
3,6 - 3,6							4		65.0|65.0	21.6									
4,5 - 4,5							8		65.0|65.0	22.5									
7,8 - 7,8							10		64.0|62.5	22.8									
							16		60.1|58.6	23.4									
i	Informational measurement only, no limit available						20		58.2|56.7	23.7									
							25		56.4|54.9	24									
							31.25		54.5|53.0	23									
							62.5		48.8|47.3	20									
							100		45.1|43.6	18									
							200		39.7|38.2	15									
							250		38.0|36.5	14									
							350		34.8|33.3	11.8									
							450		32.3|30.8	10.2									
							500		31.3|29.8	9.5									

ISO Draft C6A 7.5m Patch Cord (LA)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss	|Pair_36_45										
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0|65.0										
3,6 - 3,6							4		65.0|65.0	21.6									
4,5 - 4,5							8		64.9|63.4	22.5									
7,8 - 7,8							10		63.0|61.5	22.8									
							16		59.2|57.7	23.4									
i	Informational measurement only, no limit available						20		57.4|55.9	23.7									
							25		55.5|54.0	24									
							31.25		53.7|52.2	23									
							62.5		48.2|46.7	20									
							100		44.5|43.0	18									
							200		39.3|37.8	15									
							250		37.7|36.2	14									
							350		34.7|33.2	11.8									
							450		32.5|31.0	10.2									
							500		31.5|30.0	9.5									

ISO Draft C6A 10.0m Patch Cord (LA)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss	|Pair_36_45										
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0|65.0										
3,6 - 3,6							4		65.0|65.0	21.6									
4,5 - 4,5							8		64.2|62.7	22.5									
7,8 - 7,8							10		62.3|60.8	22.8									
							16		58.5|57.0	23.4									
i	Informational measurement only, no limit available						20		56.7|55.2	23.7									
							25		55.0|53.5	24									
							31.25		53.2|51.7	23									
							62.5		47.8|46.3	20									
							100		44.2|42.7	18									
							200		39.2|37.7	15									
							250		37.6|36.1	14									
							350		34.8|33.3	11.8									
							450		32.6|31.1	10.2									
							500		31.7|30.2	9.5									

ISO Draft C6A 15.0m Patch Cord (LA)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss	|Pair_36_45										
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0|65.0										
3,6 - 3,6							4		65.0|65.0	21.6									
4,5 - 4,5							8		63.1|61.6	22.5									
7,8 - 7,8							10		61.4|59.9	22.8									
							16		57.7|56.2	23.4									
i	Informational measurement only, no limit available						20		55.9|54.4	23.7									
							25		54.2|52.7	24									
							31.25		52.5|51.0	23									
							62.5		47.3|45.8	20									
							100		43.9|42.4	18									
							200		39.1|37.6	15									
							250		37.5|36.0	14									
							350		34.9|33.4	11.8									
							450		32.8|31.3	10.2									
							500		31.9|30.4	9.5									

ISO Draft C6A 20.0m Patch Cord (LA)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair			Skew		Loss	|Pair_36_45										
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0|65.0										
3,6 - 3,6							4		65.0|65.0	21.6									
4,5 - 4,5							8		62.4|60.9	22.5									
7,8 - 7,8							10		60.7|59.2	22.8									
							16		57.1|55.6	23.4									
i	Informational measurement only, no limit available						20		55.4|53.9	23.7									
							25		53.7|52.2	24									
							31.25		52.0|50.5	23									
							62.5		47.0|45.5	20									
							100		43.7|42.2	18									
							200		39.1|37.6	15									
							250		37.6|36.1	14									
							350		35.0|33.5	11.8									
							450		33.0|31.5	10.2									
							500		32.1|30.6	9.5									

TIA Patch Cord Cat6 0.5m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i		1		65.0	19.8									
3,6 - 3,6							4		65.0	21.6									
4,5 - 4,5							8		65.0	22.5									
7,8 - 7,8							10		65.0	22.8									
							16		63.0	23.4									
i	Informational measurement only, no limit available						20		61.1	23.7									
							25		59.2	24.0									
							31.25		57.3	23.0									
							62.5		51.3	20.0									
							100		47.3	18.0									
							200		41.4	15.0									
							250		39.5	14.0									
							350		i	i									

TIA Patch Cord Cat6 1.0m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	19.8									
3,6 - 3,6							4		65.0	21.6									
4,5 - 4,5							8		65.0	22.5									
7,8 - 7,8							10		65.0	22.8									
							16		62.6	23.4									
i	Informational measurement only, no limit available						20		60.7	23.7									
							25		58.8	24.0									
							31.25		56.9	23.0									
							62.5		51.0	20.0									
							100		47.0	18.0									
							200		41.1	15.0									
							250		39.2	14.0									
							350		i	i									

TIA Patch Cord Cat6 1.5m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	19.8									
3,6 - 3,6							4		65.0	21.6									
4,5 - 4,5							8		65.0	22.5									
7,8 - 7,8							10		65.0	22.8									
							16		62.3	23.4									
i	Informational measurement only, no limit available						20		60.4	23.7									
							25		58.5	24.0									
							31.25		56.5	23.0									
							62.5		50.6	20.0									
							100		46.7	18.0									
							200		40.9	15.0									
							250		39.0	14.0									
							350		i	i									

TIA Patch Cord Cat6 2.0m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	19.8									
3,6 - 3,6							4		65.0	21.6									
4,5 - 4,5							8		65.0	22.5									
7,8 - 7,8							10		65.0	22.8									
							16		62.0	23.4									
i	Informational measurement only, no limit available						20		60.0	23.7									
							25		58.1	24.0									
							31.25		56.2	23.0									
							62.5		50.4	20.0									
							100		46.4	18.0									
							200		40.6	15.0									
							250		38.8	14.0									
							350		i	i									

TIA Patch Cord Cat6 2.5m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	19.8									
3,6 - 3,6							4		65.0	21.6									
4,5 - 4,5							8		65.0	22.5									
7,8 - 7,8							10		65.0	22.8									
							16		61.7	23.4									
i	Informational measurement only, no limit available						20		59.8	23.7									
							25		57.9	24.0									
							31.25		56.0	23.0									
							62.5		50.1	20.0									
							100		46.2	18.0									
							200		40.5	15.0									
							250		38.6	14.0									
							350		i	i									

TIA Patch Cord Cat6 3.0m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	19.8									
3,6 - 3,6							4		65.0	21.6									
4,5 - 4,5							8		65.0	22.5									
7,8 - 7,8							10		65.0	22.8									
							16		61.4	23.4									
i	Informational measurement only, no limit available						20		59.5	23.7									
							25		57.6	24.0									
							31.25		55.7	23.0									
							62.5		49.9	20.0									
							100		46.0	18.0									
							200		40.3	15.0									
							250		38.5	14.0									
							350		i	i									

TIA Patch Cord Cat6 3.5m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	19.8									
3,6 - 3,6							4		65.0	21.6									
4,5 - 4,5							8		65.0	22.5									
7,8 - 7,8							10		65.0	22.8									
							16		61.1	23.4									
i	Informational measurement only, no limit available						20		59.3	23.7									
							25		57.4	24.0									
							31.25		55.5	23.0									
							62.5		49.7	20.0									
							100		45.8	18.0									
							200		40.2	15.0									
							250		38.4	14.0									
							350		i	i									

TIA Patch Cord Cat6 4.0m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	19.8									
3,6 - 3,6							4		65.0	21.6									
4,5 - 4,5							8		65.0	22.5									
7,8 - 7,8							10		64.9	22.8									
							16		60.9	23.4									
i	Informational measurement only, no limit available						20		59.0	23.7									
							25		57.1	24.0									
							31.25		55.3	23.0									
							62.5		49.5	20.0									
							100		45.6	18.0									
							200		40.0	15.0									
							250		38.3	14.0									
							350		i	i									

TIA Patch Cord Cat6 5.0m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	19.8									
3,6 - 3,6							4		65.0	21.6									
4,5 - 4,5							8		65.0	22.5									
7,8 - 7,8							10		64.5	22.8									
							16		60.5	23.4									
i	Informational measurement only, no limit available						20		58.6	23.7									
							25		56.8	24.0									
							31.25		54.9	23.0									
							62.5		49.2	20.0									
							100		45.3	18.0									
							200		39.8	15.0									
							250		38.1	14.0									
							350		i	i									

TIA Patch Cord Cat6 7.5m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	19.8									
3,6 - 3,6							4		65.0	21.6									
4,5 - 4,5							8		65.0	22.5									
7,8 - 7,8							10		63.6	22.8									
							16		59.7	23.4									
i	Informational measurement only, no limit available						20		57.8	23.7									
							25		56.0	24.0									
							31.25		54.1	23.0									
							62.5		48.5	20.0									
							100		44.8	18.0									
							200		39.5	15.0									
							250		37.8	14.0									
							350		i	i									

TIA Patch Cord Cat6 10.0m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	19.8									
3,6 - 3,6							4		65.0	21.6									
4,5 - 4,5							8		64.8	22.5									
7,8 - 7,8							10		62.9	22.8									
							16		59.0	23.4									
i	Informational measurement only, no limit available						20		57.2	23.7									
							25		55.4	24.0									
							31.25		53.6	23.0									
							62.5		48.1	20.0									
							100		44.4	18.0									
							200		39.3	15.0									
							250		37.6	14.0									
							350		i	i									

TIA Patch Cord Cat6 15.0m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	19.8									
3,6 - 3,6							4		65.0	21.6									
4,5 - 4,5							8		63.8	22.5									
7,8 - 7,8							10		61.9	22.8									
							16		58.1	23.4									
i	Informational measurement only, no limit available						20		56.4	23.7									
							25		54.6	24.0									
							31.25		52.8	23.0									
							62.5		47.5	20.0									
							100		44.0	18.0									
							200		39.1	15.0									
							250		37.5	14.0									
							350		i	i									

TIA Patch Cord Cat6 20.0m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	19.8									
3,6 - 3,6							4		65.0	21.6									
4,5 - 4,5							8		63.1	22.5									
7,8 - 7,8							10		61.3	22.8									
							16		57.5	23.4									
i	Informational measurement only, no limit available						20		55.8	23.7									
							25		54.1	24.0									
							31.25		52.3	23.0									
							62.5		47.2	20.0									
							100		43.8	18.0									
							200		39.0	15.0									
							250		37.6	14.0									
							350		i	i									

TIA Patch Cord Cat6 >20.0m

Wire Map	Resistance	Resistance Unbalance	Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	None	None	None	None	None	None	1		65.0										
3,6 - 3,6							4		65.0	21.6									
4,5 - 4,5							8		65	22.5									
7,8 - 7,8							10		65	22.8									
							16		62.9	23.4									
i	Informational measurement only, no limit available						20		61	23.7									
							25		59.1	24									
							31.25		57.2	23.1									
							62.5		51.2	20									
							100		47.2	18									
							200		41.3	15									
							250		39.4	14									
							350		i	i									

ISO Patch Cord Cat6 0.5m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	i									
3,6 - 3,6							4		65.0	21.6									
4,5 - 4,5							8		65.0	22.5									
7,8 - 7,8							10		65.0	22.8									
							16		62.9	23.4									
i	Informational measurement only, no limit available						20		61.0	23.7									
							25		59.1	24.0									
							31.25		57.2	23.1									
							62.5		51.2	20.0									
							100		47.2	18.0									
							200		41.3	15.0									
							250		39.4	14.0									
							350		i	i									

ISO Patch Cord Cat6 1.0m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	i									
3,6 - 3,6							4		65.0	21.6									
4,5 - 4,5							8		65.0	22.5									
7,8 - 7,8							10		65.0	22.8									
							16		62.4	23.4									
i	Informational measurement only, no limit available						20		60.5	23.7									
							25		58.6	24.0									
							31.25		56.7	23.1									
							62.5		50.8	20.0									
							100		46.8	18.0									
							200		41.0	15.0									
							250		39.1	14.0									
							350		i	i									

ISO Patch Cord Cat6 1.5m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0										
3,6 - 3,6							4		65.0	21.6									
4,5 - 4,5							8		65.0	22.5									
7,8 - 7,8							10		65.0	22.8									
							16		62.0	23.4									
i	Informational measurement only, no limit available						20		60.1	23.7									
							25		58.2	24.0									
							31.25		56.3	23.1									
							62.5		50.4	20.0									
							100		46.5	18.0									
							200		40.7	15.0									
							250		38.9	14.0									
							350		i	i									

ISO Patch Cord Cat6 2.0m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	i									
3,6 - 3,6							4		65.0	21.6									
4,5 - 4,5							8		65.0	22.5									
7,8 - 7,8							10		65.0	22.8									
							16		61.6	23.4									
i	Informational measurement only, no limit available						20		59.7	23.7									
							25		57.8	24.0									
							31.25		56.0	23.1									
							62.5		50.1	20.0									
							100		46.2	18.0									
							200		40.5	15.0									
							250		38.6	14.0									
							350		i	i									

ISO Patch Cord Cat6 2.5m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	i									
3,6 - 3,6							4		65.0	21.6									
4,5 - 4,5							8		65.0	22.5									
7,8 - 7,8							10		65.0	22.8									
							16		61.3	23.4									
i	Informational measurement only, no limit available						20		59.4	23.7									
							25		57.5	24.0									
							31.25		55.6	23.1									
							62.5		49.8	20.0									
							100		45.9	18.0									
							200		40.3	15.0									
							250		38.5	14.0									
							350		i	i									

ISO Patch Cord Cat6 3.0m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	i									
3,6 - 3,6							4		65.0	21.6									
4,5 - 4,5							8		65.0	22.5									
7,8 - 7,8							10		65.0	22.8									
							16		61.0	23.4									
i	Informational measurement only, no limit available						20		59.1	23.7									
							25		57.2	24.0									
							31.25		55.4	23.1									
							62.5		49.6	20.0									
							100		45.7	18.0									
							200		40.1	15.0									
							250		38.3	14.0									
							350		i	i									

ISO Patch Cord Cat6 3.5m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	i									
3,6 - 3,6							4		65.0	21.6									
4,5 - 4,5							8		65.0	22.5									
7,8 - 7,8							10		64.7	22.8									
							16		60.7	23.4									
i	Informational measurement only, no limit available						20		58.9	23.7									
							25		57.0	24.0									
							31.25		55.1	23.1									
							62.5		49.3	20.0									
							100		45.5	18.0									
							200		39.9	15.0									
							250		38.2	14.0									
							350		i	i									

ISO Patch Cord Cat6 4.0m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	i									
3,6 - 3,6							4		65.0	21.6									
4,5 - 4,5							8		65.0	22.5									
7,8 - 7,8							10		64.4	22.8									
							16		60.5	23.4									
i	Informational measurement only, no limit available						20		58.6	23.7									
							25		56.7	24.0									
							31.25		54.9	23.1									
							62.5		49.1	20.0									
							100		45.3	18.0									
							200		39.8	15.0									
							250		38.1	14.0									
							350		i	i									

ISO Patch Cord Cat6 5.0m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	i									
3,6 - 3,6							4		65.0	21.6									
4,5 - 4,5							8		65.0	22.5									
7,8 - 7,8							10		63.9	22.8									
							16		60.0	23.4									
i	Informational measurement only, no limit available						20		58.2	23.7									
							25		56.3	24.0									
							31.25		54.5	23.1									
							62.5		48.8	20.0									
							100		45.0	18.0									
							200		39.6	15.0									
							250		37.9	14.0									
							350		i	i									

ISO Patch Cord Cat6 7.5m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	i									
3,6 - 3,6							4		65.0	21.6									
4,5 - 4,5							8		64.8	22.5									
7,8 - 7,8							10		63.0	22.8									
							16		59.2	23.4									
i	Informational measurement only, no limit available						20		57.3	23.7									
							25		55.5	24.0									
							31.25		53.7	23.1									
							62.5		48.2	20.0									
							100		44.5	18.0									
							200		39.3	15.0									
							250		37.7	14.0									
							350		i	i									

ISO Patch Cord Cat6 10.0m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	i									
3,6 - 3,6							4		65.0	21.6									
4,5 - 4,5							8		64.1	22.5									
7,8 - 7,8							10		62.3	22.8									
							16		58.5	23.4									
i	Informational measurement only, no limit available						20		56.7	23.7									
							25		54.9	24.0									
							31.25		53.1	23.1									
							62.5		47.7	20.0									
							100		44.2	18.0									
							200		39.1	15.0									
							250		37.6	14.0									
							350		i	i									

ISO Patch Cord Cat6 15.0m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	i									
3,6 - 3,6							4		65.0	21.6									
4,5 - 4,5							8		63.1	22.5									
7,8 - 7,8							10		61.3	22.8									
							16		57.6	23.4									
i	Informational measurement only, no limit available						20		55.9	23.7									
							25		54.2	24.0									
							31.25		52.4	23.1									
							62.5		47.2	20.0									
							100		43.8	18.0									
							200		39.0	15.0									
							250		37.5	14.0									
							350		i	i									

ISO Patch Cord Cat6 20.0m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	i									
3,6 - 3,6							4		65.0	21.6									
4,5 - 4,5							8		62.4	22.5									
7,8 - 7,8							10		60.7	22.8									
							16		57.1	23.4									
i	Informational measurement only, no limit available						20		55.4	23.7									
							25		53.7	24.0									
							31.25		52.0	23.1									
							62.5		47.0	20.0									
							100		43.7	18.0									
							200		39.1	15.0									
							250		37.6	14.0									
							350		i	i									

ISO Patch Cord Cat6 >20.0m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i		i	1		65.0	i									
3,6 - 3,6							4		65.0	21.6									
4,5 - 4,5							8		62.5	22.5									
7,8 - 7,8							10		60.7	22.8									
							16		57.1	23.4									
i	Informational measurement only, no limit available						20		55.4	23.7									
							25		53.7	24.0									
							31.25		52.0	23.1									
							62.5		47.0	20.0									
							100		43.7	18.0									
							200		39.1	15.0									
							250		37.6	14.0									
							350		i	i									

TIA Patch Cord Cat5e 0.5m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	19.8									
3,6 - 3,6							4		65.0	21.6									
4,5 - 4,5							8		62.3	22.5									
7,8 - 7,8							10		60.3	22.8									
							16		56.3	23.4									
i	Informational measurement only, no limit available						20		54.4	23.7									
							25		52.5	24.0									
							31.25		50.6	23.0									
							62.5		44.7	20.0									
							100		40.7	18.0									
							200		i	i									
							250		i	i									
							350		i	i									

TIA Patch Cord Cat5e 1.0m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	19.8									
3,6 - 3,6							4		65.0	21.6									
4,5 - 4,5							8		61.6	22.5									
7,8 - 7,8							10		59.7	22.8									
							16		55.7	23.4									
i	Informational measurement only, no limit available						20		53.8	23.7									
							25		51.9	24.0									
							31.25		50.0	23.0									
							62.5		44.1	20.0									
							100		40.1	18.0									
							200		i	i									
							250		i	i									
							350		i	i									

TIA Patch Cord Cat5e 1.5m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	19.8									
3,6 - 3,6							4		65.0	21.6									
4,5 - 4,5							8		61.1	22.5									
7,8 - 7,8							10		59.2	22.8									
							16		55.1	23.4									
i	Informational measurement only, no limit available						20		53.2	23.7									
							25		51.3	24.0									
							31.25		49.4	23.0									
							62.5		43.6	20.0									
							100		39.7	18.0									
							200		i	i									
							250		i	i									
							350		i	i									

TIA Patch Cord Cat5e 2.0m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	19.8									
3,6 - 3,6							4		65.0	21.6									
4,5 - 4,5							8		60.6	22.5									
7,8 - 7,8							10		58.7	22.8									
							16		54.7	23.4									
i	Informational measurement only, no limit available						20		52.8	23.7									
							25		50.9	24.0									
							31.25		49.0	23.0									
							62.5		43.2	20.0									
							100		39.3	18.0									
							200		i	i									
							250		i	i									
							350		i	i									

TIA Patch Cord Cat5e 2.5m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	19.8									
3,6 - 3,6							4		65.0	21.6									
4,5 - 4,5							8		60.2	22.5									
7,8 - 7,8							10		58.3	22.8									
							16		54.3	23.4									
i	Informational measurement only, no limit available						20		52.4	23.7									
							25		50.5	24.0									
							31.25		48.6	23.0									
							62.5		42.8	20.0									
							100		38.9	18.0									
							200		i	i									
							250		i	i									
							350		i	i									

TIA Patch Cord Cat5e 3.0m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	19.8									
3,6 - 3,6							4		65.0	21.6									
4,5 - 4,5							8		59.8	22.5									
7,8 - 7,8							10		57.9	22.8									
							16		53.9	23.4									
i	Informational measurement only, no limit available						20		52.0	23.7									
							25		50.1	24.0									
							31.25		48.2	23.0									
							62.5		42.5	20.0									
							100		38.6	18.0									
							200		i	i									
							250		i	i									
							350		i	i									

TIA Patch Cord Cat5e 3.5m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	19.8									
3,6 - 3,6							4		65.0	21.6									
4,5 - 4,5							8		59.4	22.5									
7,8 - 7,8							10		57.5	22.8									
							16		53.6	23.4									
i	Informational measurement only, no limit available						20		51.7	23.7									
							25		49.8	24.0									
							31.25		47.9	23.0									
							62.5		42.2	20.0									
							100		38.4	18.0									
							200		i	i									
							250		i	i									
							350		i	i									

TIA Patch Cord Cat5e 4.0m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	19.8									
3,6 - 3,6							4		65.0	21.6									
4,5 - 4,5							8		59.1	22.5									
7,8 - 7,8							10		57.2	22.8									
							16		53.3	23.4									
i	Informational measurement only, no limit available						20		51.4	23.7									
							25		49.5	24.0									
							31.25		47.7	23.0									
							62.5		41.9	20.0									
							100		38.1	18.0									
							200		i	i									
							250		i	i									
							350		i	i									

TIA Patch Cord Cat5e 5.0m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	19.8									
3,6 - 3,6							4		64.4	21.6									
4,5 - 4,5							8		58.6	22.5									
7,8 - 7,8							10		56.7	22.8									
							16		52.7	23.4									
i	Informational measurement only, no limit available						20		50.9	23.7									
							25		49.0	24.0									
							31.25		47.2	23.0									
							62.5		41.5	20.0									
							100		37.8	18.0									
							200		i	i									
							250		i	i									
							350		i	i									

TIA Patch Cord Cat5e 7.5m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	19.8									
3,6 - 3,6							4		63.3	21.6									
4,5 - 4,5							8		57.5	22.5									
7,8 - 7,8							10		55.6	22.8									
							16		51.7	23.4									
i	Informational measurement only, no limit available						20		49.9	23.7									
							25		48.0	24.0									
							31.25		46.2	23.0									
							62.5		40.7	20.0									
							100		37.1	18.0									
							200		i	i									
							250		i	i									
							350		i	i									

TIA Patch Cord Cat5e 10.0m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	19.8									
3,6 - 3,6							4		62.4	21.6									
4,5 - 4,5							8		56.7	22.5									
7,8 - 7,8							10		54.8	22.8									
							16		51.0	23.4									
i	Informational measurement only, no limit available						20		49.1	23.7									
							25		47.4	24.0									
							31.25		45.6	23.0									
							62.5		40.2	20.0									
							100		36.6	18.0									
							200		i	i									
							250		i	i									
							350		i	i									

TIA Patch Cord Cat5e 15.0m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	19.8									
3,6 - 3,6							4		61.2	21.6									
4,5 - 4,5							8		55.5	22.5									
7,8 - 7,8							10		53.7	22.8									
							16		49.9	23.4									
i	Informational measurement only, no limit available						20		48.2	23.7									
							25		46.4	24.0									
							31.25		44.7	23.0									
							62.5		39.5	20.0									
							100		36.1	18.0									
							200		i	i									
							250		i	i									
							350		i	i									

TIA Patch Cord Cat5e 20.0m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	19.8									
3,6 - 3,6							4		60.3	21.6									
4,5 - 4,5							8		54.7	22.5									
7,8 - 7,8							10		53.0	22.8									
							16		49.3	23.4									
i	Informational measurement only, no limit available						20		47.6	23.7									
							25		45.9	24.0									
							31.25		44.2	23.0									
							62.5		39.2	20.0									
							100		35.9	18.0									
							200		i	i									
							250		i	i									
							350		i	i									

TIA Patch Cord Cat5e >20.0m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	19.8									
3,6 - 3,6							4		57.0	21.6									
4,5 - 4,5							8		52.1	22.5									
7,8 - 7,8							10		50.6	22.8									
							16		47.5	23.4									
i	Informational measurement only, no limit available						20		46.0	23.7									
							25		44.6	24.0									
							31.25		43.1	23.0									
							62.5		38.7	20.0									
							100		35.8	18.0									
							200		i	i									
							250		i	i									
							350		i	i									

ISO Patch Cord Cat5e 0.5m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	i									
3,6 - 3,6							4		65.0	21.6									
4,5 - 4,5							8		62.1	22.5									
7,8 - 7,8							10		60.2	22.8									
							16		56.2	23.4									
i	Informational measurement only, no limit available						20		54.2	23.7									
							25		52.3	24.0									
							31.25		50.4	23.1									
							62.5		44.5	20.0									
							100		40.6	18.0									
							200		i	i									
							250		i	i									
							350		i	i									

ISO Patch Cord Cat5e 1.0m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	i									
3,6 - 3,6							4		65.0	21.6									
4,5 - 4,5							8		61.3	22.5									
7,8 - 7,8							10		59.4	22.8									
							16		55.4	23.4									
i	Informational measurement only, no limit available						20		53.5	23.7									
							25		51.6	24.0									
							31.25		49.7	23.1									
							62.5		43.9	20.0									
							100		39.9	18.0									
							200		i	i									
							250		i	i									
							350		i	i									

ISO Patch Cord Cat5e 1.5m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	i									
3,6 - 3,6							4		65.0	21.6									
4,5 - 4,5							8		60.7	22.5									
7,8 - 7,8							10		58.8	22.8									
							16		54.8	23.4									
i	Informational measurement only, no limit available						20		52.9	23.7									
							25		51.0	24.0									
							31.25		49.1	23.1									
							62.5		43.3	20.0									
							100		39.4	18.0									
							200		i	i									
							250		i	i									
							350		i	i									

ISO Patch Cord Cat5e 2.0m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	i									
3,6 - 3,6							4		65.0	21.6									
4,5 - 4,5							8		60.2	22.5									
7,8 - 7,8							10		58.3	22.8									
							16		54.3	23.4									
i	Informational measurement only, no limit available						20		52.4	23.7									
							25		50.5	24.0									
							31.25		48.6	23.1									
							62.5		42.9	20.0									
							100		39.0	18.0									
							200		i	i									
							250		i	i									
							350		i	i									

ISO Patch Cord Cat5e 2.5m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	i									
3,6 - 3,6							4		65.0	21.6									
4,5 - 4,5							8		59.7	22.5									
7,8 - 7,8							10		57.8	22.8									
							16		53.8	23.4									
i	Informational measurement only, no limit available						20		52.0	23.7									
							25		50.1	24.0									
							31.25		48.2	23.1									
							62.5		42.5	20.0									
							100		38.6	18.0									
							200		i	i									
							250		i	i									
							350		i	i									

ISO Patch Cord Cat5e 3.0m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	i									
3,6 - 3,6							4		65.0	21.6									
4,5 - 4,5							8		59.3	22.5									
7,8 - 7,8							10		57.4	22.8									
							16		53.4	23.4									
i	Informational measurement only, no limit available						20		51.6	23.7									
							25		49.7	24.0									
							31.25		47.8	23.1									
							62.5		42.1	20.0									
							100		38.3	18.0									
							200		i	i									
							250		i	i									
							350		i	i									

ISO Patch Cord Cat5e 3.5m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	i									
3,6 - 3,6							4		64.6	21.6									
4,5 - 4,5							8		58.9	22.5									
7,8 - 7,8							10		57.0	22.8									
							16		53.1	23.4									
i	Informational measurement only, no limit available						20		51.2	23.7									
							25		49.4	24.0									
							31.25		47.5	23.1									
							62.5		41.8	20.0									
							100		38.0	18.0									
							200		i	i									
							250		i	i									
							350		i	i									

ISO Patch Cord Cat5e 4.0m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	i									
3,6 - 3,6							4		64.3	21.6									
4,5 - 4,5							8		58.5	22.5									
7,8 - 7,8							10		56.7	22.8									
							16		52.8	23.4									
i	Informational measurement only, no limit available						20		50.9	23.7									
							25		49.1	24.0									
							31.25		47.2	23.1									
							62.5		41.6	20.0									
							100		37.8	18.0									
							200		i	i									
							250		i	i									
							350		i	i									

ISO Patch Cord Cat5e 5.0m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	i									
3,6 - 3,6							4		63.7	21.6									
4,5 - 4,5							8		58.0	22.5									
7,8 - 7,8							10		56.1	22.8									
							16		52.2	23.4									
i	Informational measurement only, no limit available						20		50.4	23.7									
							25		48.5	24.0									
							31.25		46.7	23.1									
							62.5		41.1	20.0									
							100		37.4	18.0									
							200		i	i									
							250		i	i									
							350		i	i									

ISO Patch Cord Cat5e 7.5m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	i									
3,6 - 3,6							4		62.4	21.6									
4,5 - 4,5							8		56.8	22.5									
7,8 - 7,8							10		55.0	22.8									
							16		51.2	23.4									
i	Informational measurement only, no limit available						20		49.4	23.7									
							25		47.6	24.0									
							31.25		45.8	23.1									
							62.5		40.3	20.0									
							100		36.8	18.0									
							200		i	i									
							250		i	i									
							350		i	i									

ISO Patch Cord Cat5e 10.0m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	i									
3,6 - 3,6							4		61.6	21.6									
4,5 - 4,5							8		56.0	22.5									
7,8 - 7,8							10		54.2	22.8									
							16		50.4	23.4									
i	Informational measurement only, no limit available						20		48.7	23.7									
							25		46.9	24.0									
							31.25		45.1	23.1									
							62.5		39.8	20.0									
							100		36.4	18.0									
							200		i	i									
							250		i	i									
							350		i	i									

ISO Patch Cord Cat5e 15.0m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	i									
3,6 - 3,6							4		60.3	21.6									
4,5 - 4,5							8		54.9	22.5									
7,8 - 7,8							10		53.1	22.8									
							16		49.5	23.4									
i	Informational measurement only, no limit available						20		47.7	23.7									
							25		46.0	24.0									
							31.25		44.3	23.1									
							62.5		39.3	20.0									
							100		36.0	18.0									
							200		i	i									
							250		i	i									
							350		i	i									

ISO Patch Cord Cat5e 20.0m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	i									
3,6 - 3,6							4		59.5	21.6									
4,5 - 4,5							8		54.1	22.5									
7,8 - 7,8							10		52.4	22.8									
							16		48.8	23.4									
i	Informational measurement only, no limit available						20		47.2	23.7									
							25		45.5	24.0									
							31.25		43.9	23.1									
							62.5		39.0	20.0									
							100		35.8	18.0									
							200		i	i									
							250		i	i									
							350		i	i									

ISO Patch Cord Cat5e >20.0m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	i									
3,6 - 3,6							4		59.7	21.6									
4,5 - 4,5							8		54.2	22.5									
7,8 - 7,8							10		52.5	22.8									
							16		48.9	23.4									
i	Informatic						20		47.2	23.7									
							25		45.5	24									
							31.25		43.9	23.1									
							62.5		39.0	20.0									
							100		35.8	18.0									

M12 Patch Cord Cat5e 0.5m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	19.8									
3,6 - 3,6							4		65.0	21.6									
							8		62.3	22.5									
							10		60.3	22.8									
							16		56.3	23.4									
i	Informational measurement only, no limit available						20		54.4	23.7									
							25		52.5	24.0									
							31.25		50.6	23.0									
							62.5		44.7	20.0									
							100		40.7	18.0									
							200		i	i									
							250		i	i									
							350		i	i									

M12 Patch Cord Cat5e 1.0m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	19.8									
3,6 - 3,6							4		65.0	21.6									
							8		61.6	22.5									
							10		59.7	22.8									
							16		55.7	23.4									
i	Informational measurement only, no limit available						20		53.8	23.7									
							25		51.9	24.0									
							31.25		50.0	23.0									
							62.5		44.1	20.0									
							100		40.1	18.0									
							200		i	i									
							250		i	i									
							350		i	i									

M12 Patch Cord Cat5e 1.5m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	19.8									
3,6 - 3,6							4		65.0	21.6									
							8		61.1	22.5									
							10		59.2	22.8									
							16		55.1	23.4									
i	Informational measurement only, no limit available						20		53.2	23.7									
							25		51.3	24.0									
							31.25		49.4	23.0									
							62.5		43.6	20.0									
							100		39.7	18.0									
							200		i	i									
							250		i	i									
							350		i	i									

M12 Patch Cord Cat5e 2.0m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	19.8									
3,6 - 3,6							4		65.0	21.6									
							8		60.6	22.5									
							10		58.7	22.8									
							16		54.7	23.4									
i	Informational measurement only, no limit available						20		52.8	23.7									
							25		50.9	24.0									
							31.25		49.0	23.0									
							62.5		43.2	20.0									
							100		39.3	18.0									
							200		i	i									
							250		i	i									
							350		i	i									

M12 Patch Cord Cat5e 2.5m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	19.8									
3,6 - 3,6							4		65.0	21.6									
							8		60.2	22.5									
							10		58.3	22.8									
							16		54.3	23.4									
i	Informational measurement only, no limit available						20		52.4	23.7									
							25		50.5	24.0									
							31.25		48.6	23.0									
							62.5		42.8	20.0									
							100		38.9	18.0									
							200		i	i									
							250		i	i									
							350		i	i									

M12 Patch Cord Cat5e 3.0m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	19.8									
3,6 - 3,6							4		65.0	21.6									
							8		59.8	22.5									
							10		57.9	22.8									
							16		53.9	23.4									
i	Informational measurement only, no limit available						20		52.0	23.7									
							25		50.1	24.0									
							31.25		48.2	23.0									
							62.5		42.5	20.0									
							100		38.6	18.0									
							200		i	i									
							250		i	i									
							350		i	i									

M12 Patch Cord Cat5e 3.5m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	19.8									
3,6 - 3,6							4		65.0	21.6									
							8		59.4	22.5									
							10		57.5	22.8									
							16		53.6	23.4									
i	Informational measurement only, no limit available						20		51.7	23.7									
							25		49.8	24.0									
							31.25		47.9	23.0									
							62.5		42.2	20.0									
							100		38.4	18.0									
							200		i	i									
							250		i	i									
							350		i	i									

M12 Patch Cord Cat5e 4.0m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	19.8									
3,6 - 3,6							4		65.0	21.6									
							8		59.1	22.5									
							10		57.2	22.8									
							16		53.3	23.4									
i	Informational measurement only, no limit available						20		51.4	23.7									
							25		49.5	24.0									
							31.25		47.7	23.0									
							62.5		41.9	20.0									
							100		38.1	18.0									
							200		i	i									
							250		i	i									
							350		i	i									

M12 Patch Cord Cat5e 5.0m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	19.8									
3,6 - 3,6							4		64.4	21.6									
							8		58.6	22.5									
							10		56.7	22.8									
							16		52.7	23.4									
i	Informational measurement only, no limit available						20		50.9	23.7									
							25		49.0	24.0									
							31.25		47.2	23.0									
							62.5		41.5	20.0									
							100		37.8	18.0									
							200		i	i									
							250		i	i									
							350		i	i									

M12 Patch Cord Cat5e 7.5m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	19.8									
3,6 - 3,6							4		63.3	21.6									
							8		57.5	22.5									
							10		55.6	22.8									
							16		51.7	23.4									
i	Informational measurement only, no limit available						20		49.9	23.7									
							25		48.0	24.0									
							31.25		46.2	23.0									
							62.5		40.7	20.0									
							100		37.1	18.0									
							200		i	i									
							250		i	i									
							350		i	i									

M12 Patch Cord Cat5e 10.0m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	19.8									
3,6 - 3,6							4		62.4	21.6									
							8		56.7	22.5									
							10		54.8	22.8									
							16		51.0	23.4									
i	Informational measurement only, no limit available						20		49.1	23.7									
							25		47.4	24.0									
							31.25		45.6	23.0									
							62.5		40.2	20.0									
							100		36.6	18.0									
							200		i	i									
							250		i	i									
							350		i	i									

M12 Patch Cord Cat5e 15.0m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	19.8									
3,6 - 3,6							4		61.2	21.6									
							8		55.5	22.5									
							10		53.7	22.8									
							16		49.9	23.4									
i	Informational measurement only, no limit available						20		48.2	23.7									
							25		46.4	24.0									
							31.25		44.7	23.0									
							62.5		39.5	20.0									
							100		36.1	18.0									
							200		i	i									
							250		i	i									
							350		i	i									

M12 Patch Cord Cat5e 20.0m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	19.8									
3,6 - 3,6							4		60.3	21.6									
							8		54.7	22.5									
							10		53.0	22.8									
							16		49.3	23.4									
i	Informational measurement only, no limit available						20		47.6	23.7									
							25		45.9	24.0									
							31.25		44.2	23.0									
							62.5		39.2	20.0									
							100		35.9	18.0									
							200		i	i									
							250		i	i									
							350		i	i									

M12 Patch Cord Cat5e >20.0m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1		65.0	19.8									
3,6 - 3,6							4		57.0	21.6									
							8		52.1	22.5									
							10		50.6	22.8									
							16		47.5	23.4									
i	Informational measurement only, no limit available						20		46.0	23.7									
							25		44.6	24.0									
							31.25		43.1	23.0									
							62.5		38.7	20.0									
							100		35.8	18.0									
							200		i	i									
							250		i	i									
							350		i	i									

Copper Limit Lines - Application

10GBASE-T

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25			100	555	50	1	4.0	65.0	19.0		63.3	62.0		60.3				
3,6 - 3,6							4	4.2	63.0	19.0		51.2	60.5		48.2				
4,5 - 4,5							8	5.9	58.2	19.0		45.2	55.6		42.2				
7,8 - 7,8							10	6.6	56.6	19.0		43.3	54.0		40.3				
							16	8.3	53.2	18.0		39.2	50.6		36.2				
							20	9.3	51.6	17.5		37.2	49.0		34.2				
	Not evaluated against the test limit						25	10.5	50.0	17.0		35.3	47.3		32.3				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	11.7	48.4	16.5		33.4	45.7		30.4				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	16.9	43.4	14.0		27.3	40.6		24.3				
	If FEXT is < 70 dB, not evaluated against the test limit						100	21.7	39.9	12.0		23.3	37.1		20.3				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	31.7	34.8	9.0		17.2	31.9		14.2				
							250	35.9	33.1	8.0		15.3	30.2		12.3				
							350	43.5	29.7	6.6		12.4	26.9		9.4				
							450	50.2	24.3	6.0		10.2	22.3		7.2				
							500	53.4	22.0	6.0		9.3	20.4		6.3				

5GBASE-T

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2				100	570	50	1	3.0	60.0	17.0		57.4	57.0		54.4				
3,6 - 3,6							4	4.5	53.5	17.0		45.4	50.5		42.4				
4,5 - 4,5							8	6.3	48.6	17.0		39.3	45.6		36.3				
7,8 - 7,8							10	7.1	47.0	17.0		37.4	44.0		34.4				
							16	9.1	43.6	17.0		33.3	40.6		30.3				
	Informational measurement only, no limit available						20	10.2	42.0	17.0		31.4	39.0		28.4				
	10% length rule - will fail when length > 110 m						25	11.4	40.3	16.0		29.4	37.3		26.4				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	12.9	38.7	15.1		27.5	35.7		24.5				
	If FEXT is < 70 dB, not evaluated against the test limit						62.5	18.6	33.6	12.1		21.5	30.6		18.5				
							100	24.0	30.1	10.0		17.4	27.1		14.4				
							200	35.3	21.4	7.0		11.4	18.4		8.4				
							250	40.1	18.2	6.0		9.4	15.2		6.4				
							350	i	i	i	i	i		i	i	i	i	i	i

2.5GBASE-T

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2				100	570	50	1	3.0	60.0	17.0		57.4	57.0		54.4				
3,6 - 3,6							4	4.5	53.5	17.0		45.4	50.5		42.4				
4,5 - 4,5							8	6.3	48.6	17.0		39.3	45.6		36.3				
7,8 - 7,8							10	7.1	47.0	17.0		37.4	44.0		34.4				
							16	9.1	43.6	17.0		33.3	40.6		30.3				
i	Informational measurement only, no limit available						20	10.2	42.0	17.0		31.4	39.0		28.4				
	10% length rule - will fail when length > 110 m						25	11.4	40.3	16.0		29.4	37.3		26.4				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	12.9	38.7	15.1		27.5	35.7		24.5				
	If FEXT is < 70 dB, not evaluated against the test limit						62.5	18.6	33.6	12.1		21.5	30.6		18.5				
							100	24.0	30.1	10.0		17.4	27.1		14.4				
							250	i	i	i	i	i	i	i	i	i	i	i	i
							350	i	i	i	i	i	i	i	i	i	i	i	i
							350	i	i	i	i	i	i	i	i	i	i	i	i

1000BASE-T

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25			100	570	50	1	2.5	60.7	15.0		57.0			54.4				
3,6 - 3,6							4	4.5	50.6	15.0		45.0			42.4				
4,5 - 4,5							8	6.4	45.5	15.0		38.9			36.3				
7,8 - 7,8							10	7.1	43.9	15.0		37.0			34.4				
							16	9.1	40.5	15.0		32.9			30.3				
i	Informational measurement only, no limit available						20	10.3	38.8	15.0		31.0			28.4				
	10% length rule - will fail when length > 110 m						25	11.5	37.2	14.0		29.0			26.4				
	Not evaluated against the test limit						31.25	13.0	35.6	13.1		27.1			24.5				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	18.7	30.5	10.1		21.1			18.5				
	If FEXT is < 70 dB, not evaluated against the test limit						100	24.0	27.1	8.0		17.0			14.4				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	i	i	i		i			i				
							250	i	i	i		i			i				
							350	i	i	i		i			i				

100BASE-TX

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
	25			100			1	2.5	60.7	15.0									
1,2 - 1,2							4	4.5	50.6	15.0									
3,6 - 3,6							8	6.4	45.5	15.0									
							10	7.1	43.9	15.0									
							16	9.1	40.5	15.0									
i	Informational measurement only, no limit available						20	10.3	38.8	15.0									
	10% length rule - will fail when length > 110 m						25	11.5	37.2	14.0									
	Not evaluated against the test limit						31.25	13.0	35.6	13.1									
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	18.7	30.5	10.1									
							100	24.0	27.1	8.0									
							200	i	i	i									
							250	i	i	i									
							350	i	i	i									

10BASE-T

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
	25			100			1	i	i										
1,2 - 1,2							4	i	i										
3,6 - 3,6							8	11.5	27.5										
							10	11.5	26.0										
							16	i	i										
i	Informational measurement only, no limit available						20	i	i										
	10% length rule - will fail when length > 110 m						25	i	i										
	Not evaluated against the test limit						31.25	i	i										
							62.5	i	i										
							100	i	i										
							200	i	i										
							250	i	i										
							350	i	i										

10GBASE-T + 802.3bt Draft 3.0

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	0.2 or 3.0	0.2 or 7.5	100	555	50	1	4.0	65.0	19.0		63.3	62.0		60.3				
3,6 - 3,6							4	4.2	63.0	19.0		51.2	60.5		48.2				
4,5 - 4,5							8	5.9	58.2	19.0		45.2	55.6		42.2				
7,8 - 7,8							10	6.6	56.6	19.0		43.3	54.0		40.3				
							16	8.3	53.2	18.0		39.2	50.6		36.2				
i							20	9.3	51.6	17.5		37.2	49.0		34.2				
	Not evaluated against the test limit						25	10.5	50.0	17.0		35.3	47.3		32.3				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	11.7	48.4	16.5		33.4	45.7		30.4				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	16.9	43.4	14.0		27.3	40.6		24.3				
	If FEXT is < 70 dB, not evaluated against the test limit						100	21.7	39.9	12.0		23.3	37.1		20.3				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	31.7	34.8	9.0		17.2	31.9		14.2				
							250	35.9	33.1	8.0		15.3	30.2		12.3				
							350	43.5	29.7	6.6		12.4	26.9		9.4				
							450	50.2	24.3	6.0		10.2	22.3		7.2				
							500	53.4	22.0	6.0		9.3	20.4		6.3				

1000BASE-T + 802.3bt Draft 3.0

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	0.2 or 3.0	0.2 or 7.5	100	570	50	1	2.5	60.7	15.0		57.0			54.4				
3,6 - 3,6							4	4.5	50.6	15.0		45.0			42.4				
4,5 - 4,5							8	6.4	45.5	15.0		38.9			36.3				
7,8 - 7,8							10	7.1	43.9	15.0		37.0			34.4				
							16	9.1	40.5	15.0		32.9			30.3				
i	Informational measurement only, no limit available						20	10.3	38.8	15.0		31.0			28.4				
	10% length rule - will fail when length > 110 m						25	11.5	37.2	14.0		29.0			26.4				
	Not evaluated against the test limit						31.25	13	35.6	13.1		27.1			24.5				
	If FEXT is < 70 dB, not evaluated against the test limit						62.5	18.7	30.5	10.1		21.1			18.5				
	If PS FEXT is < 67 dB, not evaluated against the test limit						100	24	27.1	8.0		17.0			14.4				
							200	i	i	i		i			i				
							250	i	i	i		i			i				
							350	i	i	i		i			i				

100BASE-TX + 802.3bt Draft 3.0

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
	25	0.2 or 3.0	0.2 or 7.5	100			1	2.5	60.7	15.0									
1,2 - 1,2							4	4.5	50.6	15.0									
3,6 - 3,6							8	6.4	45.5	15.0									
							10	7.1	43.9	15.0									
							16	9.1	40.5	15.0									
i	Informational measurement only, no limit available						20	10.3	38.8	15.0									
	10% length rule - will fail when length > 110 m						25	11.5	37.2	14.0									
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	13.0	35.6	13.1									
							62.5	18.7	30.5	10.1									
							100	24.0	27.1	8.0									
							200	i	i	i									
							250	i	i	i									
							350	i	i	i									

10BASE-T + 802.3bt Draft 3.0

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
	25	0.2 or 3.0	0.2 or 7.5	100			1												
1,2 - 1,2							4												
3,6 - 3,6							8	11.5	27.5										
							10	11.5	26.0										
							16	i	i										
i	Informational measurement only, no limit available						20	i	i										
	10% length rule - will fail when length > 110 m						25	i	i										
							31.25	i	i										
							62.5	i	i										
							100	i	i										
							200	i	i										
							250	i	i										
							350	i	i										

1000BASE-T1 Type A 1-pair

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
	i			i	i	i	1	0.7		19.0						i	i	i	i	i
							4	1.2		19.0						i	i	i	i	i
4,5 - 4,5							8	1.7		19.0						i	i	i	i	i
							10	1.9		19.0						50.0				50.0
							16	2.4		18.0						50.0				50.0
i	Informational measurement only, no limit available						20	2.7		17.5						50.0				50.0
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	3.0		17.0						50.0				50.0
							31.25	3.4		16.5						50.0				50.0
							62.5	4.8		16.0						50.0				50.0
							100	6.1		16.0						49.0				49.0
							200	8.8		14.0						45.5				45.5
							250	9.9		13.0						44.4				44.4
							350	11.9		11.6						42.7				42.7
							450	13.6		11.0						41.5				41.5
							500	14.4		11.0						40.9				40.9
							600	15.9		11.0						40.0				40.0
							700	i		i						i	i	i	i	i
							800	i		i						i	i	i	i	i
							900	i		i						i	i	i	i	i
							1000	i		i						i	i	i	i	i

1000BASE-T1 Type A multi-pair

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
	i			i	i	i	1	0.7		19.0		i	74.0		83.7	i	i	i	i	i
3,6 - 3,6							4	1.2		19.0		i	68.0		71.6	i	i	i	i	i
4,5 - 4,5							8	1.7		19.0		i	65.0		65.6	i	i	i	i	i
							10	1.9		19.0		i	64.0		63.7	50.0	i	i	i	i
							16	2.4		18.0		i	62.0		59.6	50.0	i	i	i	i
i	Informational measurement only, no limit available						20	2.7		17.5		i	61.0		57.7	50.0	i	i	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	3.0		17.0		i	60.0		55.7	50.0	i	i	i	i
	If Insertion Loss < 4 dB, not evaluated against the test limit						31.25	3.4		16.5		i	59.1		53.8	50.0	i	i	i	i
	If PS FEXT is < 67 dB, not evaluated against the test limit						62.5	4.8		16.0		i	56.0		47.8	50.0	i	i	i	i
							100	6.1		16.0		i	54.0		43.7	49.0	i	i	i	i
							200	8.8		14.0		i	48.0		37.7	45.5	i	i	i	i
							250	9.9		13.0		i	45.8		35.7	44.4	i	i	i	i
							350	11.9		11.6		i	42.1		32.8	42.7	i	i	i	i
							450	13.6		11.0		i	39.0		30.6	41.5	i	i	i	i
							500	14.4		11.0		i	37.5		29.7	40.9	i	i	i	i
							600	15.9		11.0		i	34.8		28.1	40.0	i	i	i	i
							700	i		i		i	i		i	i	i	i	i	i
							800	i		i		i	i		i	i	i	i	i	i
							900	i		i		i	i		i	i	i	i	i	i
							1000	i		i		i	i		i	i	i	i	i	i

1000BASE-T1 Type B 1-pair

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB		dB	dB	dB	dB	dB	dB	dB
	i			i	i	i	1	0.9		19.0						i	i	i	i	i
							4	1.7		19.0						i	i	i	i	i
4,5 - 4,5							8	2.4		19.0						i	i	i	i	i
							10	2.6		19.0						i	i	i	i	i
							16	3.3		18.0						i	i	i	i	i
i	surement only, no limit available						20	3.7		17.5						i	i	i	i	i
	not evaluated against the test limit						25	4.2		17.0						i	i	i	i	i
							31.25	4.7		16.5						i	i	i	i	i
							62.5	6.7		16.0						i	i	i	i	i
							100	8.5		16.0						i	i	i	i	i
							200	12.3		14.0						i	i	i	i	i
							250	13.8		13.0						i	i	i	i	i
							350	16.6		11.6						i	i	i	i	i
							450	19.0		11.0						i	i	i	i	i
							500	20.1		11.0						i	i	i	i	i
							600	22.3		11.0						i	i	i	i	i
							700	i		i						i	i	i	i	i
							800	i		i						i	i	i	i	i
							900	i		i						i	i	i	i	i
							1000	i		i						i	i	i	i	i

1000BASE-T1 Type B multi-pair

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
	i			i	i	i	1	0.9		19.0		i	65.0		70.0	i	i	i	i	i
3,6 - 3,6							4	1.7		19.0		i	65.0		70.0	i	i	i	i	i
4,5 - 4,5							8	2.4		19.0		i	65.0		70.0	i	i	i	i	i
							10	2.6		19.0		i	65.0		70.0	i	i	i	i	i
							16	3.3		18.0		i	65.0		70.0	i	i	i	i	i
i	Informational measurement only, no limit available						20	3.7		17.5		i	65.0		70.0	i	i	i	i	i
	not evaluated against the test limit						25	4.2		17.0		i	65.0		70.0	i	i	i	i	i
	not evaluated against the test limit						31.25	4.7		16.5		i	65.0		70.0	i	i	i	i	i
	not evaluated against the test limit						62.5	6.7		16.0		i	65.0		65.1	i	i	i	i	i
							100	8.5		16.0		i	65.0		61.0	i	i	i	i	i
							200	12.3		14.0		i	65.0		55.0	i	i	i	i	i
							250	13.8		13.0		i	65.0		53.0	i	i	i	i	i
							350	16.6		11.6		i	65.0		50.1	i	i	i	i	i
							450	19.0		11.0		i	65.0		47.9	i	i	i	i	i
							500	20.1		11.0		i	65.0		47.0	i	i	i	i	i
							600	22.3		11.0		i	65.0		45.4	i	i	i	i	i
							700	i	i	i		i	i		i	i	i	i	i	i
							800	i	i	i		i	i		i	i	i	i	i	i
							900	i	i	i		i	i		i	i	i	i	i	i
							1000	i	i	i		i	i		i	i	i	i	i	i

100BASE-T1 1-pair

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB		dB	dB	dB	dB	dB	dB	dB
	i			i	i	i	1	1.0		18.0						43.0	i	i	i	i
							4	1.5		18.0						43.0	i	i	i	i
4,5 - 4,5							8	2.2		18.0						43.0	i	i	i	i
							10	2.6		18.0						43.0	i	i	i	i
							16	3.2		18.0						43.0	i	i	i	i
i	surement only, no limit available						20	3.6		18.0						43.0	i	i	i	i
	not evaluated against the test limit						25	4.1		17.0						43.0	i	i	i	i
							31.25	4.7		16.1						43.0	i	i	i	i
							62.5	7.0		13.1						37.5	i	i	i	i
							100	i		i						33.4	i	i	i	i
							200	i		i						27.3	i	i	i	i
							250	i		i						i	i	i	i	i
							350	i		i						i	i	i	i	i

IEEE 10BASE-T1L 18AWG d2.2

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	47.66	None	None	1000	8834	None	1	16.4		13.5						50.0	30.0	i	i
							4	30.0		13.5						44.0	18	i	i
							8	42.0		13.5						39.5	11.9	i	i
							10	46.9		13.5						38.0	10	i	i
							16	59.3		13.5						34.9	5.9	i	i
i	Informational measurement only, no limit available						20	66.4		13.5						33.5	4	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	i		i						i	i	i	i
							31.25	i		i						i	i	i	i
							62.5	i		i						i	i	i	i
							100	i		i						i	i	i	i
							200	i		i						i	i	i	i
							350	i		i						i	i	i	i

Cat 5e Mod 1-Conn Perm. Link

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			90	498	44	1	3.0	65.0	19.1	62.0	64.2	62.0	59.0	61.2				
3,6 - 3,6							4	3.5	64.1	21.0	60.5	52.1	61.8	58.3	49.1				
4,5 - 4,5							8	5.0	59.4	21.0	54.4	46.1	57.0	52.1	43.1				
7,8 - 7,8							10	5.5	57.8	21.0	52.3	44.2	55.5	50.0	41.2				
							16	7.0	54.6	20.0	47.6	40.1	52.2	45.2	37.1				
i	Informational measurement only, no limit available						20	7.8	53.1	19.5	45.2	38.2	50.7	42.8	35.2				
	10% length rule - will fail when length > 99 m						25	8.8	51.5	19.0	42.8	36.2	49.1	40.4	33.2				
	Not evaluated against the test limit						31.25	9.8	50.0	18.5	40.2	34.3	47.5	37.7	31.3				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	14.0	45.1	16.0	31.1	28.3	42.7	28.6	25.3				
	If FEXT is < 67 dB, not evaluated against the test limit						100	18.0	41.8	14.0	23.9	24.2	39.3	21.3	21.2				
							200	i	i	i	i	i	i	i	i				
							250	i	i	i	i	i	i	i	i				
							350	i	i	i	i	i	i	i	i				

Cat 6 Mod 1-Conn Perm. Link

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			90	498	44	1	3.0	65.0	19.1	62.0	64.2	62.0	59.0	61.2				
3,6 - 3,6	i						4	3.5	64.1	21.0	60.6	52.1	61.8	58.3	49.1				
4,5 - 4,5							8	5.0	59.4	21.0	54.4	46.1	57.0	52.1	43.1				
7,8 - 7,8							10	5.5	57.8	21.0	52.3	44.2	55.5	49.9	41.2				
							16	7.0	54.6	20.0	47.6	40.1	52.2	45.2	37.1				
i	Informational measurement only, no limit available						20	7.9	53.1	19.5	45.2	38.2	50.7	42.8	35.2				
	10% length rule - will fail when length > 99 m						25	8.9	51.5	19.0	42.7	36.2	49.1	40.2	33.2				
	Not evaluated against the test limit						31.25	10.0	50.0	18.5	40.0	34.3	47.5	37.6	31.3				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	14.4	45.1	16.0	30.8	28.3	42.7	28.3	25.3				
	If FEXT is < 67 dB, not evaluated against the test limit						100	18.6	41.8	14.0	23.3	24.2	39.3	20.7	21.2				
							200	27.4	36.9	11.0	9.6	18.2	34.3	7.0	15.2				
							250	31.1	35.3	10.0	4.2	16.2	32.7	1.6	13.2				
							350	i	i	i	i	i	i	i	i				

Cat 6A Mod 1-Conn Perm. Link

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			90	498	44	1	3.0	65.0	19.1	62.0	64.2	62.0	59.0	61.2				
3,6 - 3,6							4	3.5	64.1	21.0	60.5	52.1	61.8	58.3	49.1				
4,5 - 4,5							8	5.0	59.4	21.0	54.4	46.1	57.0	52.1	43.1				
7,8 - 7,8							10	5.5	57.8	21.0	52.3	44.2	55.5	50.0	41.2				
							16	7.0	54.6	20.0	47.6	40.1	52.2	45.2	37.1				
i	Informational measurement only, no limit available						20	7.8	53.1	19.5	45.2	38.2	50.7	42.8	35.2				
	10% length rule - will fail when length > 99 m						25	8.8	51.5	19.0	42.8	36.2	49.1	40.4	33.2				
	Not evaluated against the test limit						31.25	9.8	50.0	18.5	40.2	34.3	47.5	37.7	31.3				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	14.0	45.1	16.0	31.1	28.3	42.7	28.6	25.3				
	If FEXT is < 67 dB, not evaluated against the test limit						100	18.0	41.8	14.0	23.9	24.2	39.3	21.3	21.2				
							200	26.1	36.9	11.0	10.8	18.2	34.3	8.2	15.2				
							250	29.5	35.3	10.0	5.8	16.2	32.7	3.2	13.2				
							350	35.6	31.8	8.6	-3.8	13.3	29.1	-6.5	10.3				
							450	41.1	28.2	8.0	-13.0	11.1	25.3	-15.8	8.1				
							500	43.8	26.7	8.0	-17.1	10.2	23.8	-20.0	7.2				

Cat 5e Mod 1-Conn Perm. Link (+All)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21	0.1 or 3.0	0.2 or 7.0	90	498	44	1	3.0	60.0	19.0	57.0	58.6	57.0	54.0	55.6	i	i	i	i	i
3,6 - 3,6							4	3.9	54.8	19.0	50.9	46.6	51.8	47.9	43.6	i	i	i	i	i
4,5 - 4,5							8	5.5	50.0	19.0	44.5	40.6	47.0	41.5	37.6	i	i	i	i	i
7,8 - 7,8							10	6.2	48.5	19.0	42.3	38.6	45.5	39.3	35.6	i	i	i	i	i
							16	7.9	45.2	19.0	37.3	34.5	42.2	34.3	31.5	i	i	i	i	i
i	Informational measurement only, no limit available						20	8.9	43.7	19.0	34.8	32.6	40.7	31.8	29.6	i	i	i	i	i
	10% length rule - will fail when length > 99 m						25	10.0	42.1	18.0	32.1	30.7	39.1	29.1	27.7	i	i	i	i	i
	Not evaluated against the test limit						31.25	11.2	40.5	17.1	29.3	28.7	37.5	26.3	25.7	i	i	i	i	i
	If Insertion Loss < 3 dB, not evaluated against the te						62.5	16.2	35.7	14.1	19.4	22.7	32.7	16.4	19.7	i	i	i	i	i
	If FEXT is < 67 dB, not evaluated against the test limit						100	21.0	32.3	12.0	11.3	18.6	29.3	8.3	15.6	i	i	i	i	i
							200	i	i	i	i	i	i	i	i	i	i	i	i	i
							250	i	i	i	i	i	i	i	i	i	i	i	i	i
							350	i	i	i	i	i	i	i	i	i	i	i	i	i

Cat 5e Mod 1-Conn Perm. Link (+PoE)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21	0.1 or 3.0	0.2 or 7.0	90	498	44	1	3	60	19.0	57.0	58.6	57.0	54.0	55.6					
3,6 - 3,6							4	3.9	54.8	19.0	50.9	46.6	51.8	47.9	43.6					
4,5 - 4,5							8	5.5	50	19.0	44.5	40.6	47.0	41.5	37.6					
7,8 - 7,8							10	6.2	48.5	19.0	42.3	38.6	45.5	39.3	35.6					
							16	7.9	45.2	19.0	37.3	34.5	42.2	34.3	31.5					
i	Informational measurement only, no limit available						20	8.9	43.7	19.0	34.8	32.6	40.7	31.8	29.6					
	10% length rule - will fail when length > 99 m						25	10	42.1	18.0	32.1	30.7	39.1	29.1	27.7					
	Not evaluated against the test limit						31.25	11.2	40.5	17.1	29.3	28.7	37.5	26.3	25.7					
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	16.2	35.7	14.1	19.4	22.7	32.7	16.4	19.7					
	If FEXT is < 67 dB, not evaluated against the test limit						100	21	32.3	12.0	11.3	18.6	29.3	8.3	15.6					
							200	i	i	i	i	i	i	i	i					
							250	i	i	i	i	i	i	i	i					
							350	i	i	i	i	i	i	i	i					

Cat 6 Mod 1-Conn Perm. Link (+All)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21	0.1 or 3.0	0.2 or 7.0	90	498	44	1	3.0	65.0	19.1	62.0	64.2	62.0	59.0	61.2	40	30	i	i	i
3,6 - 3,6							4	3.5	64.1	21.0	60.6	52.1	61.8	58.3	49.1	40	18	i	i	i
4,5 - 4,5							8	5.0	59.4	21.0	54.4	46.1	57.0	52.1	43.1	36.5	11.9	i	i	i
7,8 - 7,8							10	5.5	57.8	21.0	52.3	44.2	55.5	49.9	41.2	35	10	i	i	i
							16	7.0	54.6	20.0	47.6	40.1	52.2	45.2	37.1	31.9	5.9	i	i	i
i	Informational measurement only, no limit available						20	7.9	53.1	19.5	45.2	38.2	50.7	42.8	35.2	30.5	4	i	i	i
	10% length rule - will fail when length > 99 m						25	8.9	51.5	19.0	42.7	36.2	49.1	40.2	33.2	29	2	i	i	i
	Not evaluated against the test limit						31.25	10.0	50.0	18.5	40.0	34.3	47.5	37.6	31.3	27.6	i	i	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	14.4	45.1	16.0	30.8	28.3	42.7	28.3	25.3	23.1	i	i	i	i
	If FEXT is < 67 dB, not evaluated against the test limit						100	18.6	41.8	14.0	23.3	24.2	39.3	20.7	21.2	20	i	i	i	i
							200	27.4	36.9	11.0	9.6	18.2	34.3	7.0	15.2	15.5	i	i	i	i
							250	31.1	35.3	10.0	4.2	16.2	32.7	1.6	13.2	14	i	i	i	i
							350	i	i	i	i	i	i	i	i	i	i	i	i	i

Cat 6 Mod 1-Conn Perm. Link (+PoE)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21	0.1 or 3.0	0.2 or 7.0	90	498	44	1	3.0	65.0	19.1	62.0	64.2	62.0	59.0	61.2					
3,6 - 3,6							4	3.5	64.1	21.0	60.6	52.1	61.8	58.3	49.1					
4,5 - 4,5							8	5.0	59.4	21.0	54.4	46.1	57.0	52.1	43.1					
7,8 - 7,8							10	5.5	57.8	21.0	52.3	44.2	55.5	49.9	41.2					
							16	7.0	54.6	20.0	47.6	40.1	52.2	45.2	37.1					
i	Informational measurement only, no limit available						20	7.9	53.1	19.5	45.2	38.2	50.7	42.8	35.2					
	10% length rule - will fail when length > 99 m						25	8.9	51.5	19.0	42.7	36.2	49.1	40.2	33.2					
	Not evaluated against the test limit						31.25	10.0	50.0	18.5	40.0	34.3	47.5	37.6	31.3					
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	14.4	45.1	16.0	30.8	28.3	42.7	28.3	25.3					
	If FEXT is < 67 dB, not evaluated against the test limit						100	18.6	41.8	14.0	23.3	24.2	39.3	20.7	21.2					
							200	27.4	36.9	11.0	9.6	18.2	34.3	7.0	15.2					
							250	31.1	35.3	10.0	4.2	16.2	32.7	1.6	13.2					
							350	i	i	i	i	i	i	i	i					

Cat 6A Mod 1-Conn Perm. Link (+All)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21	0.1 or 3.0	0.2 or 7.0	90	498	44	1	3.0	65.0	19.1	62.0	64.2	62.0	59.0	61.2	40	30	i	i	i
3,6 - 3,6							4	3.5	64.1	21.0	60.5	52.1	61.8	58.3	49.1	40	18	i	i	i
4,5 - 4,5							8	5.0	59.4	21.0	54.4	46.1	57.0	52.1	43.1	36.5	11.9	i	i	i
7,8 - 7,8							10	5.5	57.8	21.0	52.3	44.2	55.5	50.0	41.2	35	10	i	i	i
							16	7.0	54.6	20.0	47.6	40.1	52.2	45.2	37.1	31.9	5.9	i	i	i
i	Informational measurement only, no limit available						20	7.8	53.1	19.5	45.2	38.2	50.7	42.8	35.2	30.5	4	i	i	i
	10% length rule - will fail when length > 99 m						25	8.8	51.5	19.0	42.8	36.2	49.1	40.4	33.2	29	2	i	i	i
	Not evaluated against the test limit						31.25	9.8	50.0	18.5	40.2	34.3	47.5	37.7	31.3	27.6	i	i	i	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	14.0	45.1	16.0	31.1	28.3	42.7	28.6	25.3	23.1	i	i	i	i
	If FEXT is < 67 dB, not evaluated against the test limit						100	18.0	41.8	14.0	23.9	24.2	39.3	21.3	21.2	20	i	i	i	i
							200	26.1	36.9	11.0	10.8	18.2	34.3	8.2	15.2	15.5	i	i	i	i
							250	29.5	35.3	10.0	5.8	16.2	32.7	3.2	13.2	14	i	i	i	i
							350	35.6	31.8	8.6	-3.8	13.3	29.1	-6.5	10.3	i	i	i	i	i
							450	41.1	28.2	8.0	-13.0	11.1	25.3	-15.8	8.1	i	i	i	i	i
							500	43.8	26.7	8.0	-17.1	10.2	23.8	-20.0	7.2	i	i	i	i	i

Cat 6A Mod 1-Conn Perm. Link (+PoE)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	
1,2 - 1,2	21	0.1 or 3.0	0.2 or 7.0	90	498	44	1	3.0	65.0	19.1	62.0	64.2	62.0	59.0	61.2					
3,6 - 3,6						3	4	3.5	64.1	21.0	60.5	52.1	61.8	58.3	49.1					
4,5 - 4,5							8	5.0	59.4	21.0	54.4	46.1	57.0	52.1	43.1					
7,8 - 7,8							10	5.5	57.8	21.0	52.3	44.2	55.5	50.0	41.2					
							16	7.0	54.6	20.0	47.6	40.1	52.2	45.2	37.1					
i	Informational measurement only, no limit available						20	7.8	53.1	19.5	45.2	38.2	50.7	42.8	35.2					
	10% length rule - will fail when length > 99 m						25	8.8	51.5	19.0	42.8	36.2	49.1	40.4	33.2					
	Not evaluated against the test limit						31.25	9.8	50.0	18.5	40.2	34.3	47.5	37.7	31.3					
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	14.0	45.1	16.0	31.1	28.3	42.7	28.6	25.3					
	If FEXT is < 67 dB, not evaluated against the test limit						100	18.0	41.8	14.0	23.9	24.2	39.3	21.3	21.2					
							200	26.1	36.9	11.0	10.8	18.2	34.3	8.2	15.2					
							250	29.5	35.3	10.0	5.8	16.2	32.7	3.2	13.2					
							350	35.6	31.8	8.6	-3.8	13.3	29.1	-6.5	10.3					
							450	41.1	28.2	8.0	-13.0	11.1	25.3	-15.8	8.1					
							500	43.8	26.7	8.0	-17.1	10.2	23.8	-20.0	7.2					

Class F Selftest

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	2			2	10	3	1	1.0	75.0	20.0		75.0							
3,6 - 3,6							4	1.0	75.0	20.0		75.0							
4,5 - 4,5							8	1.0	75.0	20.0		74.5							
7,8 - 7,8							10	1.0	75.0	20.0		73.0							
							16	1.0	75.0	20.0		69.9							
i	Informational measurement only, no limit available						20	1.0	75.0	20.0		68.5							
	10% length rule - will fail when length > 2.2 m						25	1.0	75.0	20.0		67.0							
							31.25	1.0	75.0	18.9		65.6							
							62.5	1.0	70.5	15.6		61.1							
							100	1.0	66.0	13.4		58.0							
							200	1.0	59.4	10.1		53.5							
							250	1.0	57.2	9.0		52.0							
							350	1.0	54.0	9.0		49.8							
							450	1.0	51.6	9.0		48.2							
							500	1.0	50.6	9.0		47.5							
							600	1.0	48.9	9.0		46.3							
							700	i	i	i		i							
							800	i	i	i		i							
							900	i	i	i		i							
							1000	i	i	i		i							

Cat6 Selftest

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB		dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	2			2	10	3	1	1.0	65.0	19.0									
3,6 - 3,6							4	1.0	64.0	19.0									
4,5 - 4,5							8	1.0	57.9	19.0									
7,8 - 7,8							10	1.0	56.0	19.0									
							16	1.0	51.9	19.0									
i	Informational measurement only, no limit available						20	1.0	50.0	19.0									
	10% length rule - will fail when length > 2.2 m						25	1.0	48.0	19.0									
							31.25	1.0	46.1	17.8									
							62.5	1.0	40.1	14.2									
							100	1.0	36.0	11.8									
							200	1.0	27.0	8.2									
							250	1.0	24.1	7.0									
							350	i	i	i									

TokenRing, 16Mb/s, Active

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
	25			100			1				32.1								
3,6 - 3,6							4				23.0								
4,5 - 4,5							8				18.5								
							10				17.1								
							16	16.0			14.0								
i	Informational measurement only, no limit available						20				12.5								
	10% length rule - will fail when length > 110 m						25				11.1								
	Not evaluated against the test limit						31.25	i			i								
							62.5	i			i								
							100	i			i								
							200	i			i								
							250	i			i								
							350	i			i								

TokenRing, 16Mb/s, Passive

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
	25	None	None	100	None	None	1	i			33.6								
3,6 - 3,6							4	i			24.5								
4,5 - 4,5							8	i			20.0								
							10	i			18.6								
							16	19.0			15.5								
							20	i			14.0								
	Informational measurement only, no limit available						25	i			12.6								
	Not evaluated against the test limit						31.25	i			i								
							62.5	i			i								
							100	i			i								
							200	i			i								
							250	i			i								
							350	i			i								

TokenRing, 4Mb/s

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
i	25			100			1				26.5								
3,6 - 3,6	Not evaluated against the test limit						4	19.0			17.5								
4,5 - 4,5							8				13.0								
							10				11.5								
							16	i			i								
i	Informational measurement only, no limit available						20	i			i								
	10% length rule - will fail when length > 110 m						25	i			i								
	Not evaluated against the test limit						31.25	i			i								
							62.5	i			i								
							100	i			i								
							200	i			i								
							250	i			i								
							350	i			i								

ISO11801 Channel Class D 2pr

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25			100	555	50	1	4	60	17	56	57.4	57	53	54.4				
3,6 - 3,6							4	4.5	53.5	17	49	45.4	50.5	46	42.4				
							8	6.4	48.6	17	42.2	39.3	45.6	39.2	36.3				
							10	7.2	47	17	39.8	37.4	44	36.8	34.4				
							16	9.1	43.6	17	34.5	33.3	40.6	31.5	30.3				
i	Informational measurement only, no limit available						20	10.2	42	17	31.8	31.4	39	28.8	28.4				
	10% length rule - will fail when length > 110 m						25	11.5	40.3	16	28.9	29.4	37.3	25.9	26.4				
	Not evaluated against the test limit						31.25	12.9	38.7	15.1	25.8	27.5	35.7	22.8	24.5				
							62.5	18.6	33.6	12	15	21.5	30.6	12	18.5				
							100	24	30.1	10	6.1	17.4	27.1	3.1	14.4				
							200	i	i	i	i	i	i	i	i				
							250	i	i	i	i	i	i	i	i				
							350	i	i	i	i	i	i	i	i				

ISO11801-9905 C6A

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	6.4				169	16	1	3.0	65.0	19.0	62.0	65.0	62.0	59.0	62.0				
3,6 - 3,6							4	3.0	63.8	19.0	60.8	59.9	60.8	57.8	56.9				
4,5 - 4,5							8	3.0	58.9	19.0	55.9	53.9	55.9	52.9	50.9				
7,8 - 7,8							10	3.0	57.3	19.0	54.3	52.0	54.3	51.3	49.0				
							16	3.0	53.9	18.0	50.9	47.9	50.9	47.9	44.9				
i	Informational measurement only, no limit available						20	3.0	52.3	17.5	49.3	45.9	49.3	46.3	42.9				
	Not evaluated against the test limit						25	3.2	50.7	17.0	47.5	44.0	47.7	44.5	41.0				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	3.6	49.1	16.5	45.5	42.1	46.1	42.5	39.1				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	5.1	44.0	16.0	38.9	36.0	41.0	35.9	33.0				
	If FEXT is < 70 dB, not evaluated against the test limit						100	6.5	40.5	16.0	34.0	32.0	37.5	31.0	29.0				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	9.3	35.3	14.3	26.1	25.9	32.3	23.1	22.9				
Limit runs to 1250MHz							250	10.4	33.6	13.4	23.2	24.0	30.6	20.2	21.0				
							350	12.4	31.1	12.1	18.7	21.1	28.1	15.7	18.1				
							450	14.2	29.2	11.1	15.0	18.9	26.2	12.0	15.9				
							500	15.0	28.4	10.7	13.4	18.0	25.4	10.4	15.0				
							600	16.5	26.2	10.0	9.6	16.4	23.2	6.6	13.4				
							700	18.0	24.3	9.4	6.3	15.1	21.3	3.3	12.1				
							800	19.4	22.5	8.9	3.2	13.9	19.5	0.2	10.9				
							900	20.7	21.0	8.4	0.3	12.9	18.0	-2.7	9.9				
							1000	22.0	19.6	8.0	-2.4	12.0	16.6	-5.4	9.0				

ISO11801-9905 C7

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	6.4				169	10	1	3.0	65.0	19.0	62.0	65.0	65.0	62.0	62.0				
3,6 - 3,6							4	3.0	65.0	19.0	62.0	65.0	65.0	62.0	61.6				
4,5 - 4,5							8	3.0	65.0	19.0	62.0	62.4	65.0	62.0	55.6				
7,8 - 7,8							10	3.0	65.0	19.0	62.0	60.8	65.0	62.0	53.7				
							16	3.0	65.0	18.0	62.0	57.5	65.0	62.0	49.6				
i	Informational measurement only, no limit available						20	3.0	65.0	17.5	62.0	55.9	65.0	62.0	47.7				
	Not evaluated against the test limit						25	3.1	65.0	17.0	61.9	54.4	65.0	61.9	45.7				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	3.5	64.8	16.5	61.3	52.8	65.0	61.5	43.8				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	5.0	59.0	16.0	54.1	47.8	62.9	57.9	37.8				
	If FEXT is < 70 dB, not evaluated against the test limit						100	6.3	55.1	16.0	48.8	44.4	59.9	53.5	33.7				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	9.0	49.3	14.3	40.2	39.4	55.3	46.3	27.7				
Limit runs to 1250MHz							250	10.1	47.4	13.4	37.3	37.8	53.9	43.7	25.7				
							350	12.1	44.5	12.1	32.5	35.3	51.7	39.6	22.8				
							450	13.8	42.4	11.1	28.6	33.4	50.1	36.3	20.6				
							500	14.6	41.5	10.7	27.0	32.6	49.4	34.8	19.7				
							600	16.0	40.0	10.0	23.9	31.3	48.2	32.1	18.1				
							700	17.4	24.3	9.4	6.8	15.1	21.3	3.8	12.1				
							800	18.7	22.5	8.9	3.8	13.9	19.5	0.8	10.9				
							900	19.9	21.0	8.4	1.1	12.9	18.0	-1.9	9.9				
							1000	21.1	19.6	8.0	-1.5	12.0	16.6	-4.5	9.0				

ISO11801-9905 C7A

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	6.4				169	10	1	3.0	65.0	19.0	62.0	65.0	62.0	59.0	62.0				
3,6 - 3,6							4	3.0	65.0	19.0	62.0	65.0	62.0	59.0	62.0				
4,5 - 4,5							8	3.0	65.0	19.0	62.0	65.0	62.0	59.0	62.0				
7,8 - 7,8							10	3.0	65.0	19.0	62.0	65.0	62.0	59.0	62.0				
							16	3.0	65.0	18.0	62.0	63.3	62.0	59.0	60.3				
i	Informational measurement only, no limit available						20	3.0	65.0	17.5	62.0	61.4	62.0	59.0	58.4				
	Not evaluated against the test limit						25	3.1	65.0	17.0	61.9	59.4	62.0	58.9	56.4				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	3.5	65.0	16.5	61.5	57.5	62.0	58.5	54.5				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	5.0	65.0	16.0	60.0	51.5	62.0	57.0	48.5				
	If FEXT is < 70 dB, not evaluated against the test limit						100	6.3	65.0	16.0	58.7	47.4	62.0	55.7	44.4				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	9.0	60.9	14.3	51.9	41.4	57.9	48.9	38.4				
Limit runs to 1250MHz							250	10.1	59.1	13.4	49.0	39.4	56.1	46.0	36.4				
							350	12.1	56.4	12.1	44.4	36.5	53.4	41.4	33.5				
							450	13.8	54.4	11.1	40.6	34.3	51.4	37.6	31.3				
							500	14.6	53.6	10.7	39.0	33.4	50.6	36.0	30.4				
							600	16.0	52.1	10.0	36.0	31.8	49.1	33.0	28.8				
							700	17.4	50.8	9.4	33.4	30.5	47.8	30.4	27.5				
							800	18.7	49.7	8.9	31.0	29.3	46.7	28.0	26.3				
							900	19.9	48.8	8.4	28.9	28.3	45.8	25.9	25.3				
							1000	21.1	47.9	8.0	26.8	27.4	44.9	23.8	24.4				

ISO11801-9905 C6A (+All)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	6.4	0.2 or 3.0	0.1 or 7.0	None	169	16	1	3.0	65.0	19.0	62.0	65.0	62.0	59.0	62.0	40.0	30.0	i	i	
3,6 - 3,6							4	3.0	63.8	19.0	60.8	59.9	60.8	57.8	56.9	40.0	18.0	i	i	
4,5 - 4,5							8	3.0	58.9	19.0	55.9	53.9	55.9	52.9	50.9	39.5	11.9	i	i	
7,8 - 7,8							10	3.0	57.3	19.0	54.3	52.0	54.3	51.3	49.0	38.0	10.0	i	i	
							16	3.0	53.9	18.0	50.9	47.9	50.9	47.9	44.9	34.9	5.9	i	i	
i	Informational measurement only, no limit available						20	3.0	52.3	17.5	49.3	45.9	49.3	46.3	42.9	33.5	4.0	i	i	
	Not evaluated against the test limit						25	3.2	50.7	17.0	47.5	44.0	47.7	44.5	41.0	32.0	2.0	i	i	
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	3.6	49.1	16.5	45.5	42.1	46.1	42.5	39.1	30.4	i	i	i	
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	5.1	44.0	16.0	38.9	36.0	41.0	35.9	33.0	24.4	i	i	i	
	If FEXT is < 70 dB, not evaluated against the test limit						100	6.5	40.5	16.0	34.0	32.0	37.5	31.0	29.0	20.3	i	i	i	
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	9.3	35.3	14.3	26.1	25.9	32.3	23.1	22.9	14.3	i	i	i	
Limit runs to 1250MHz							250	10.4	33.6	13.4	23.2	24.0	30.6	20.2	21.0	12.3	i	i	i	
							350	12.4	31.1	12.1	18.7	21.1	28.1	15.7	18.1	i	i	i	i	
							450	14.2	29.2	11.1	15.0	18.9	26.2	12.0	15.9	i	i	i	i	
							500	15.0	28.4	10.7	13.4	18.0	25.4	10.4	15.0	i	i	i	i	
							600	16.5	26.2	10.0	9.6	16.4	23.2	6.6	13.4	i	i	i	i	
							700	18.0	24.3	9.4	6.3	15.1	21.3	3.3	12.1	i	i	i	i	
							800	19.4	22.5	8.9	3.2	13.9	19.5	0.2	10.9	i	i	i	i	
							900	20.7	21.0	8.4	0.3	12.9	18.0	-2.7	9.9	i	i	i	i	
							1000	22.0	19.6	8.0	-2.4	12.0	16.6	-5.4	9.0	i	i	i	i	

ISO11801-9905 C6A (+PoE)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	6.4	0.2 or 3.0	0.1 or 7.0	None	169	16	1	3.0	65.0	19.0	62.0	65.0	62.0	59.0	62.0					
3,6 - 3,6							4	3.0	63.8	19.0	60.8	59.9	60.8	57.8	56.9					
4,5 - 4,5							8	3.0	58.9	19.0	55.9	53.9	55.9	52.9	50.9					
7,8 - 7,8							10	3.0	57.3	19.0	54.3	52.0	54.3	51.3	49.0					
							16	3.0	53.9	18.0	50.9	47.9	50.9	47.9	44.9					
							20	3.0	52.3	17.5	49.3	45.9	49.3	46.3	42.9					
							25	3.2	50.7	17.0	47.5	44.0	47.7	44.5	41.0					
							31.25	3.6	49.1	16.5	45.5	42.1	46.1	42.5	39.1					
							62.5	5.1	44.0	16.0	38.9	36.0	41.0	35.9	33.0					
							100	6.5	40.5	16.0	34.0	32.0	37.5	31.0	29.0					
							200	9.3	35.3	14.3	26.1	25.9	32.3	23.1	22.9					
							250	10.4	33.6	13.4	23.2	24.0	30.6	20.2	21.0					
							350	12.4	31.1	12.1	18.7	21.1	28.1	15.7	18.1					
							450	14.2	29.2	11.1	15.0	18.9	26.2	12.0	15.9					
							500	15.0	28.4	10.7	13.4	18.0	25.4	10.4	15.0					
							600	16.5	26.2	10.0	9.6	16.4	23.2	6.6	13.4					
							700	18.0	24.3	9.4	6.3	15.1	21.3	3.3	12.1					
							800	19.4	22.5	8.9	3.2	13.9	19.5	0.2	10.9					
							900	20.7	21.0	8.4	0.3	12.9	18.0	-2.7	9.9					
							1000	22.0	19.6	8.0	-2.4	12.0	16.6	-5.4	9.0					

i Informational measurement only, no limit available

Not evaluated against the test limit

If Insertion Loss < 3 dB, not evaluated against the test limit

If Insertion Loss < 4 dB, not evaluated against the test limit

If FEXT is < 70 dB, not evaluated against the test limit

If PS FEXT is < 67 dB, not evaluated against the test limit

Limit runs to 1250MHz

ISO11801-9905 C7 (+All)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	6.4	0.2 or 3.0	0.1 or 7.0	None	169	10	1	3.0	65.0	19.0	62.0	65.0	65.0	62.0	62.0	40.0	30.0	i	i	
3,6 - 3,6							4	3.0	65.0	19.0	62.0	65.0	65.0	62.0	61.6	40.0	18.0	i	i	
4,5 - 4,5							8	3.0	65.0	19.0	62.0	62.4	65.0	62.0	55.6	39.5	11.9	i	i	
7,8 - 7,8							10	3.0	65.0	19.0	62.0	60.8	65.0	62.0	53.7	38.0	10.0	i	i	
							16	3.0	65.0	18.0	62.0	57.5	65.0	62.0	49.6	34.9	5.9	i	i	
							20	3.0	65.0	17.5	62.0	55.9	65.0	62.0	47.7	33.5	4.0	i	i	
							25	3.1	65.0	17.0	61.9	54.4	65.0	61.9	45.7	32.0	2.0	i	i	
							31.25	3.5	64.8	16.5	61.3	52.8	65.0	61.5	43.8	30.4	i	i	i	
							62.5	5.0	59.0	16.0	54.1	47.8	62.9	57.9	37.8	24.4	i	i	i	
							100	6.3	55.1	16.0	48.8	44.4	59.9	53.5	33.7	20.3	i	i	i	
							200	9.0	49.3	14.3	40.2	39.4	55.3	46.3	27.7	14.3	i	i	i	
							250	10.1	47.4	13.4	37.3	37.8	53.9	43.7	25.7	12.3	i	i	i	
							350	12.1	44.5	12.1	32.5	35.3	51.7	39.6	22.8	i	i	i	i	
							450	13.8	42.4	11.1	28.6	33.4	50.1	36.3	20.6	i	i	i	i	
							500	14.6	41.5	10.7	27.0	32.6	49.4	34.8	19.7	i	i	i	i	
							600	16.0	40.0	10.0	23.9	31.3	48.2	32.1	18.1	i	i	i	i	
							700	17.4	24.3	9.4	6.8	15.1	21.3	3.8	12.1	i	i	i	i	
							800	18.7	22.5	8.9	3.8	13.9	19.5	0.8	10.9	i	i	i	i	
							900	19.9	21.0	8.4	1.1	12.9	18.0	-1.9	9.9	i	i	i	i	
							1000	21.1	19.6	8.0	-1.5	12.0	16.6	-4.5	9.0	i	i	i	i	

i Informational measurement only, no limit available

Not evaluated against the test limit

If Insertion Loss < 3 dB, not evaluated against the test limit

If Insertion Loss < 4 dB, not evaluated against the test limit

If FEXT is < 70 dB, not evaluated against the test limit

If PS FEXT is < 67 dB, not evaluated against the test limit

Limit runs to 1250MHz

ISO11801-9905 C7 (+PoE)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	6.4	0.2 or 3.0	0.1 or 7.0	None	169	10	1	3.0	65.0	19.0	62.0	65.0	65.0	62.0	62.0					
3,6 - 3,6							4	3.0	65.0	19.0	62.0	65.0	65.0	62.0	61.6					
4,5 - 4,5							8	3.0	65.0	19.0	62.0	62.4	65.0	62.0	55.6					
7,8 - 7,8							10	3.0	65.0	19.0	62.0	60.8	65.0	62.0	53.7					
							16	3.0	65.0	18.0	62.0	57.5	65.0	62.0	49.6					
i	Informational measurement only, no limit available						20	3.0	65.0	17.5	62.0	55.9	65.0	62.0	47.7					
	Not evaluated against the test limit						25	3.1	65.0	17.0	61.9	54.4	65.0	61.9	45.7					
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	3.5	64.8	16.5	61.3	52.8	65.0	61.5	43.8					
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	5.0	59.0	16.0	54.1	47.8	62.9	57.9	37.8					
	If FEXT is < 70 dB, not evaluated against the test limit						100	6.3	55.1	16.0	48.8	44.4	59.9	53.5	33.7					
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	9.0	49.3	14.3	40.2	39.4	55.3	46.3	27.7					
Limit runs to 1250MHz							250	10.1	47.4	13.4	37.3	37.8	53.9	43.7	25.7					
							350	12.1	44.5	12.1	32.5	35.3	51.7	39.6	22.8					
							450	13.8	42.4	11.1	28.6	33.4	50.1	36.3	20.6					
							500	14.6	41.5	10.7	27.0	32.6	49.4	34.8	19.7					
							600	16.0	40.0	10.0	23.9	31.3	48.2	32.1	18.1					
							700	17.4	24.3	9.4	6.8	15.1	21.3	3.8	12.1					
							800	18.7	22.5	8.9	3.8	13.9	19.5	0.8	10.9					
							900	19.9	21.0	8.4	1.1	12.9	18.0	-1.9	9.9					
							1000	21.1	19.6	8.0	-1.5	12.0	16.6	-4.5	9.0					

ISO11801-9905 C7A (+All)

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	6.4	0.2 or 3.0	0.1 or 7.0	None	169	10	1	3.0	65.0	19.0	62.0	65.0	62.0	59.0	62.0	40.0	30.0	i	i	
3,6 - 3,6							4	3.0	65.0	19.0	62.0	65.0	62.0	59.0	62.0	40.0	18.0	i	i	
4,5 - 4,5							8	3.0	65.0	19.0	62.0	65.0	62.0	59.0	62.0	39.5	11.9	i	i	
7,8 - 7,8							10	3.0	65.0	19.0	62.0	65.0	62.0	59.0	62.0	38.0	10.0	i	i	
							16	3.0	65.0	18.0	62.0	63.3	62.0	59.0	60.3	34.9	5.9	i	i	
i	Informational measurement only, no limit available						20	3.0	65.0	17.5	62.0	61.4	62.0	59.0	58.4	33.5	4.0	i	i	
	Not evaluated against the test limit						25	3.1	65.0	17.0	61.9	59.4	62.0	58.9	56.4	32.0	2.0	i	i	
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	3.5	65.0	16.5	61.5	57.5	62.0	58.5	54.5	30.4	i	i	i	
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	5.0	65.0	16.0	60.0	51.5	62.0	57.0	48.5	24.4	i	i	i	
	If FEXT is < 70 dB, not evaluated against the test limit						100	6.3	65.0	16.0	58.7	47.4	62.0	55.7	44.4	20.3	i	i	i	
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	9.0	60.9	14.3	51.9	41.4	57.9	48.9	38.4	14.3	i	i	i	
Limit runs to 1250MHz							250	10.1	59.1	13.4	49.0	39.4	56.1	46.0	36.4	12.3	i	i	i	
							350	12.1	56.4	12.1	44.4	36.5	53.4	41.4	33.5	i	i	i	i	
							450	13.8	54.4	11.1	40.6	34.3	51.4	37.6	31.3	i	i	i	i	
							500	14.6	53.6	10.7	39.0	33.4	50.6	36.0	30.4	i	i	i	i	
							600	16.0	52.1	10.0	36.0	31.8	49.1	33.0	28.8	i	i	i	i	
							700	17.4	50.8	9.4	33.4	30.5	47.8	30.4	27.5	i	i	i	i	
							800	18.7	49.7	8.9	31.0	29.3	46.7	28.0	26.3	i	i	i	i	
							900	19.9	48.8	8.4	28.9	28.3	45.8	25.9	25.3	i	i	i	i	
							1000	21.1	47.9	8.0	26.8	27.4	44.9	23.8	24.4	i	i	i	i	

ISO11801-9905 C7A (+PoE)

Wire Map	Resistance	Resistance		Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair			Skew		Loss												
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	6.4	0.2 or 3.0	0.1 or 7.0	None	169	10	1	3.0	65.0	19.0	62.0	65.0	62.0	59.0	62.0					
3,6 - 3,6							4	3.0	65.0	19.0	62.0	65.0	62.0	59.0	62.0					
4,5 - 4,5							8	3.0	65.0	19.0	62.0	65.0	62.0	59.0	62.0					
7,8 - 7,8							10	3.0	65.0	19.0	62.0	65.0	62.0	59.0	62.0					
							16	3.0	65.0	18.0	62.0	63.3	62.0	59.0	60.3					
i	Informational measurement only, no limit available						20	3.0	65.0	17.5	62.0	61.4	62.0	59.0	58.4					
	Not evaluated against the test limit						25	3.1	65.0	17.0	61.9	59.4	62.0	58.9	56.4					
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	3.5	65.0	16.5	61.5	57.5	62.0	58.5	54.5					
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	5.0	65.0	16.0	60.0	51.5	62.0	57.0	48.5					
	If FEXT is < 70 dB, not evaluated against the test limit						100	6.3	65.0	16.0	58.7	47.4	62.0	55.7	44.4					
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	9.0	60.9	14.3	51.9	41.4	57.9	48.9	38.4					
Limit runs to 1250MHz							250	10.1	59.1	13.4	49.0	39.4	56.1	46.0	36.4					
							350	12.1	56.4	12.1	44.4	36.5	53.4	41.4	33.5					
							450	13.8	54.4	11.1	40.6	34.3	51.4	37.6	31.3					
							500	14.6	53.6	10.7	39.0	33.4	50.6	36.0	30.4					
							600	16.0	52.1	10.0	36.0	31.8	49.1	33.0	28.8					
							700	17.4	50.8	9.4	33.4	30.5	47.8	30.4	27.5					
							800	18.7	49.7	8.9	31.0	29.3	46.7	28.0	26.3					
							900	19.9	48.8	8.4	28.9	28.3	45.8	25.9	25.3					
							1000	21.1	47.9	8.0	26.8	27.4	44.9	23.8	24.4					

TP-PMD

Wire Map	Resistance	Resistance	Resistance	Length	Delay	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair			Skew		Loss												
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25			100			1	i	51.1		48.6									
							4	i	42.0		39.5									
							8	i	37.5		35.0									
7,8 - 7,8							10	i	36.1		33.6									
							16	10.0	33.0		30.5									
i	Informational measurement only, no limit available						20	i	31.5		29.0									
	10% length rule - will fail when length > 110 m						25	i	30.1		27.6									
	Not evaluated against the test limit						31.25	i	28.6		26.1									
							62.5	i	24.1		21.6									
							100	i	i		i									
							200	i	i		i									
							250	i	i		i									
							350	i	i		i									

Voice - 1

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
4,5 - 4,5	40			i	i	i														
i	Informational measurement only, no limit available																			
	Not evaluated against the test limit																			

Voice - 2

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
3,6 - 3,6	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
4,5 - 4,5	40																			
i	Informational measurement only, no limit available																			
	Not evaluated against the test limit																			

Voice - 4

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
1,2 - 1,2																				
3,6 - 3,6	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
4,5 - 4,5	40																			
7,8 - 7,8																				
i	Informational measurement only, no limit available																			
	Not evaluated against the test limit																			

ZugBus-Zug 1pr

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			860	5160	1000	1	8.6												
							4	i												
							8	i												
							10	i												
							16	i												
i	Informational measurement only, no limit available						20	i												
	10% length rule - will fail when length > 946 m						25	i												
							31.25	i												
							62.5	i												
							100	i												
							200	i												
							250	i												
							350	i												

ZugBus-Zug 2pr

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2				860	5160	1000	1	8.6	55.0											
							4	i	i											
							8	i	i											
7,8 - 7,8							10	i	i											
							16	i	i											
i	Informational measurement only, no limit available						20	i	i											
	10% length rule - will fail when length > 946 m						25	i	i											
							31.25	i	i											
							62.5	i	i											
							100	i	i											
							200	i	i											
							250	i	i											
							350	i	i											

ZugBus-Wagen (WTB) 1pr

Wire Map Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
				64	384	74	1	1												
1,2 - 1,2							4	i												
							8	i												
							10	i												
							16	i												
i	Informational measurement only, no limit available						20	i												
	10% length rule - will fail when length > 70 m						25	i												
							31.25	i												
							62.5	i												
							100	i												
							200	i												
							250	i												
							350	i												

ZugBus-Wagen (WTB) 2pr

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2				64	384	74	1	1	55											
							4	i	i											
							8	i	i											
7,8 - 7,8							10	i	i											
							16	i	i											
i	Informational measurement only, no limit available						20	i	i											
	10% length rule - will fail when length > 70 m						25	i	i											
							31.25	i	i											
							62.5	i	i											
							100	i	i											
							200	i	i											
							250	i	i											
							350	i	i											

MVB 1pr

Wire Map Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	
1,2 - 1,2				200	1200	74	1	3												
							4	i												
							8	i												
							10	i												
							16	i												
i	Informational measurement only, no limit available						20	i												
	10% length rule - will fail when length > 946 m						25	i												
							31.25	i												
							62.5	i												
							100	i												
							200	i												
							250	i												
							350	i												

MVB 2pr

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
PAIR_1:				200	1200	74	1	3	45											
							4	i	i											
							8	i	i											
							10	i	i											
							16	i	i											
i	Informational measurement only, no limit available						20	i	i											
	10% length rule - will fail when length > 946 m						25	i	i											
							31.25	i	i											
							62.5	i	i											
							100	i	i											
							200	i	i											
							250	i	i											
							350	i	i											

Profinet

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25			100	555	20	4	4.5	53.5	17.0	49.0	45.4	50.5	46.0	42.4				
3,6 - 3,6							8	6.4	48.6	17.0	42.2	39.3	45.6	39.2	36.3				
							10	7.2	47.0	17.0	39.8	37.4	44.0	36.8	34.4				
							16	9.1	43.6	17.0	34.5	33.3	40.6	31.5	30.3				
							20	10.2	42.0	17.0	31.8	31.4	39.0	28.8	28.4				
i	Informational measurement only, no limit available						25	11.5	40.3	16.0	28.9	29.4	37.3	25.9	26.4				
	Not evaluated against the test limit						31.25	12.9	38.7	15.1	25.8	27.5	35.7	22.8	24.5				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	18.6	33.6	12.0	15.0	21.5	30.6	12.0	18.5				
	If Insertion Loss < 4 dB, not evaluated against the test limit						100	24.0	30.1	10.0	6.1	17.4	27.1	3.1	14.4				
	If FEXT is < 70 dB, not evaluated against the test limit						200	i	i	i	i	i	i	i	i				
	If PS FEXT is < 67 dB, not evaluated against the test limit						250	i	i	i	i	i	i	i	i				
							350	i	i	i	i	i	i	i	i				

Profinet 2pr E2E

Wire Map Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
	25			100	555	20	1	4.0	62.1	17.0	58.1	57.4	57.0	53.0	54.4				
1,2 - 1,2							4	4.5	52.0	17.0	47.5	45.4	50.5	46.0	42.4				
3,6 - 3,6							8	6.4	46.9	17.0	40.5	39.3	45.6	39.2	36.3				
							10	7.2	45.3	17.0	38.1	37.4	44.0	36.8	34.4				
							16	9.1	41.7	17.0	32.6	33.3	40.6	31.5	30.3				
i	Informational measurement only, no limit available						20	10.2	40.0	17.0	29.8	31.4	39.0	28.8	28.4				
	Not evaluated against the test limit						25	11.5	38.4	16.0	26.9	29.4	37.3	25.9	26.4				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	12.9	36.7	15.1	23.8	27.5	35.7	22.8	24.5				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	18.6	31.3	12.0	12.7	21.5	30.6	12.0	18.5				
	If FEXT is < 70 dB, not evaluated against the test limit						100	24.0	27.7	10.0	3.7	17.4	27.1	3.1	14.4				
	If PS FEXT is < 67 dB, not evaluated against the test limit																		

T1

Wire Map Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	None	None	305	None	None	1	i	i										
							4	i	i										
4,5 - 4,5							8	i	i										
							10	7.1	47.0										
							16	i	i										
i	Informational measurement only, no limit available						20	i	i										
	Not evaluated against the test limit						25	i	i										
							31.25	i	i										
							62.5	i	i										
							100	i	i										
							200	i	i										
							250	i	i										
							350	i	i										

CATV Broadband

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	None	None	90	498	44	1	3.0	i	i	i	i	i	i	i				
3,6 - 3,6							4	4.0	i	i	i	i	i	i	i				
4,5 - 4,5							8	5.7	i	i	i	i	i	i	i				
7,8 - 7,8							10	6.3	i	i	i	i	i	i	i				
`	Informational measurement only, no limit available						16	8.0	i	i	i	i	i	i	i				
	Not evaluated against the test limit						20	9.0	i	i	i	i	i	i	i				
	10% length rule - will fail when length > 70.4 m						25	10.1	i	i	i	i	i	i	i				
							31.25	11.4	i	i	i	i	i	i	i				
							62.5	16.5	i	i	i	i	i	i	i				
							100	21.3	i	i	i	i	i	i	i				
							200	31.5	i	i	i	i	i	i	i				
							250	35.9	i	i	i	i	i	i	i				
							350	44.0	i	i	i	i	i	i	i				
							450	51.5	i	i	i	i	i	i	i				
							500	55.0	i	i	i	i	i	i	i				
							600	55.0	i	i	i	i	i	i	i				
							700	55.0	i	i	i	i	i	i	i				
							800	55.0	i	i	i	i	i	i	i				
							865	55.0	i	i	i	i	i	i	i				
							900	i	i	i	i	i	i	i	i				
							1000	i	i	i	i	i	i	i	i				

Measure All (600 MHz)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i	i	i	i	i	i	1	i	i	i	i	i	i	i	i	i	i	i	i	i
3,6 - 3,6							4	i	i	i	i	i	i	i	i	i	i	i	i	i
4,5 - 4,5							8	i	i	i	i	i	i	i	i	i	i	i	i	i
7,8 - 7,8							10	i	i	i	i	i	i	i	i	i	i	i	i	i
							16	i	i	i	i	i	i	i	i	i	i	i	i	i
							20	i	i	i	i	i	i	i	i	i	i	i	i	i
i	Informational measurement only, no limit available						25	i	i	i	i	i	i	i	i	i	i	i	i	i
	* Bad patch cord warning disabled						31.25	i	i	i	i	i	i	i	i	i	i	i	i	i
	** Intended for laboratory use only						62.5	i	i	i	i	i	i	i	i	i	i	i	i	i
							100	i	i	i	i	i	i	i	i	i	i	i	i	i
							200	i	i	i	i	i	i	i	i	i	i	i	i	i
							250	i	i	i	i	i	i	i	i	i	i	i	i	i
							350	i	i	i	i	i	i	i	i	i	i	i	i	i
							450	i	i	i	i	i	i	i	i	i	i	i	i	i
							500	i	i	i	i	i	i	i	i	i	i	i	i	i

Measure All (1200 MHz)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	None	None or None	None or None	None	None	None	1	i	i	i	i	i	i	i	i	i	i	i	i	i
3,6 - 3,6							4	i	i	i	i	i	i	i	i	i	i	i	i	i
4,5 - 4,5							8	i	i	i	i	i	i	i	i	i	i	i	i	i
7,8 - 7,8							10	i	i	i	i	i	i	i	i	i	i	i	i	i
							16	i	i	i	i	i	i	i	i	i	i	i	i	i
							20	i	i	i	i	i	i	i	i	i	i	i	i	i
i	Informational measurement only, no limit availabl						25	i	i	i	i	i	i	i	i	i	i	i	i	i
	* Bad patch cord warning disabled						31.25	i	i	i	i	i	i	i	i	i	i	i	i	i
	** Intended for laboratory use only						62.5	i	i	i	i	i	i	i	i	i	i	i	i	i
							100	i	i	i	i	i	i	i	i	i	i	i	i	i
							200	i	i	i	i	i	i	i	i	i	i	i	i	i
							250	i	i	i	i	i	i	i	i	i	i	i	i	i
							350	i	i	i	i	i	i	i	i	i	i	i	i	i
							450	i	i	i	i	i	i	i	i	i	i	i	i	i
							500	i	i	i	i	i	i	i	i	i	i	i	i	i
							600	i	i	i	i	i	i	i	i	i	i	i	i	i
							700	i	i	i	i	i	i	i	i	i	i	i	i	i
							800	i	i	i	i	i	i	i	i	i	i	i	i	i
							900	i	i	i	i	i	i	i	i	i	i	i	i	i
							1000	i	i	i	i	i	i	i	i	i	i	i	i	i

Measure All (2500 MHz)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	None	None or None	None or None	None	None	None	1	i	i	i	i	i	i	i	i	i	i	i	i	i
3,6 - 3,6							4	i	i	i	i	i	i	i	i	i	i	i	i	i
4,5 - 4,5							8	i	i	i	i	i	i	i	i	i	i	i	i	i
7,8 - 7,8							10	i	i	i	i	i	i	i	i	i	i	i	i	i
							16	i	i	i	i	i	i	i	i	i	i	i	i	i
							20	i	i	i	i	i	i	i	i	i	i	i	i	i
i	Informational measurement only, no limit availabl						25	i	i	i	i	i	i	i	i	i	i	i	i	i
	* Bad patch cord warning disabled						31.25	i	i	i	i	i	i	i	i	i	i	i	i	i
	** Intended for laboratory use only						62.5	i	i	i	i	i	i	i	i	i	i	i	i	i
							100	i	i	i	i	i	i	i	i	i	i	i	i	i
							200	i	i	i	i	i	i	i	i	i	i	i	i	i
							250	i	i	i	i	i	i	i	i	i	i	i	i	i
							350	i	i	i	i	i	i	i	i	i	i	i	i	i
							450	i	i	i	i	i	i	i	i	i	i	i	i	i
							500	i	i	i	i	i	i	i	i	i	i	i	i	i
							600	i	i	i	i	i	i	i	i	i	i	i	i	i
							700	i	i	i	i	i	i	i	i	i	i	i	i	i
							800	i	i	i	i	i	i	i	i	i	i	i	i	i
							900	i	i	i	i	i	i	i	i	i	i	i	i	i
							1000	i	i	i	i	i	i	i	i	i	i	i	i	i
							1600	i	i	i	i	i	i	i	i	i	i	i	i	i
							2000	i	i	i	i	i	i	i	i	i	i	i	i	i

Open-Max10m-2m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	TCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1	0.2		20.0						46.0	46.0		
3,6 - 3,6							4	0.3		20.0						46.0	46.0		
4,5 - 4,5							8	0.4		20.0						46.0	46.0		
7,8 - 7,8							10	0.5		20.0						46.0	46.0		
							16	0.6		20.0						46.0	46.0		
i	Informational measurement only, no limit available						20	0.7		20.0						46.0	46.0		
							25	0.8		19.0						46.0	46.0		
							31.25	0.9		18.1						46.0	46.0		
							62.5	1.3		15.1						44.1	44.1		
							100	i		i						40.0	40.0		
							200	i		i						34.0	34.0		
							250	i		i						i	i		
							350	i		i						i	i		

Open-Max10m-3m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	TCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1	0.3		20.0						46.0	46.0		
3,6 - 3,6							4	0.5		20.0						46.0	46.0		
4,5 - 4,5							8	0.6		20.0						46.0	46.0		
7,8 - 7,8							10	0.7		20.0						46.0	46.0		
							16	0.9		20.0						46.0	46.0		
i	Informational measurement only, no limit available						20	1.0		20.0						46.0	46.0		
							25	1.2		19.0						46.0	46.0		
							31.25	1.3		18.1						46.0	46.0		
							62.5	2.0		15.1						44.1	44.1		
							100	i		i						40.0	40.0		
							200	i		i						34.0	34.0		
							250	i		i						i	i		
							350	i		i						i	i		

Open-Max10m-5m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	TCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1	0.4		20.0						46.0	46.0		
3,6 - 3,6							4	0.8		20.0						46.0	46.0		
4,5 - 4,5							8	1.1		20.0						46.0	46.0		
7,8 - 7,8							10	1.2		20.0						46.0	46.0		
							16	1.5		20.0						46.0	46.0		
i	Informational measurement only, no limit available						20	1.7		20.0						46.0	46.0		
							25	2.0		19.0						46.0	46.0		
							31.25	2.2		18.1						46.0	46.0		
							62.5	3.3		15.1						44.1	44.1		
							100	i		i						40.0	40.0		
							200	i		i						34.0	34.0		
							250	i		i						i	i		
							350	i		i						i	i		

Open-Max10m-7m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	TCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1	0.6		20.0						46.0	46.0		
3,6 - 3,6							4	1.1		20.0						46.0	46.0		
4,5 - 4,5							8	1.5		20.0						46.0	46.0		
7,8 - 7,8							10	1.7		20.0						46.0	46.0		
							16	2.2		20.0						46.0	46.0		
i	Informational measurement only, no limit available						20	2.4		20.0						46.0	46.0		
							25	2.8		19.0						46.0	46.0		
							31.25	3.1		18.1						46.0	46.0		
							62.5	4.6		15.1						44.1	44.1		
							100	i		i						40.0	40.0		
							200	i		i						34.0	34.0		
							250	i		i						i	i		
							350	i		i						i	i		

Open-Max10m-10m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	TCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1	0.9		20.0						46.0	46.0		
3,6 - 3,6							4	1.5		20.0						46.0	46.0		
4,5 - 4,5							8	2.2		20.0						46.0	46.0		
7,8 - 7,8							10	2.4		20.0						46.0	46.0		
							16	3.1		20.0						46.0	46.0		
i	Informational measurement only, no limit available						20	3.5		20.0						46.0	46.0		
							25	3.9		19.0						46.0	46.0		
							31.25	4.4		18.1						46.0	46.0		
							62.5	6.6		15.1						44.1	44.1		
							100	i		i						40.0	40.0		
							200	i		i						34.0	34.0		
							250	i		i						i	i		
							350	i		i						i	i		

Open-Max15m-2m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	TCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1	0.1		20.0						46.0	46.0		
3,6 - 3,6							4	0.2		20.0						46.0	46.0		
4,5 - 4,5							8	0.3		20.0						46.0	46.0		
7,8 - 7,8							10	0.3		20.0						46.0	46.0		
							16	0.4		20.0						46.0	46.0		
i	Informational measurement only, no limit available						20	0.5		20.0						46.0	46.0		
							25	0.5		19.0						46.0	46.0		
							31.25	0.6		18.1						46.0	46.0		
							62.5	0.9		15.1						44.1	44.1		
							100	i		i						40.0	40.0		
							200	i		i						34.0	34.0		
							250	i		i						i	i		
							350	i		i						i	i		

Open-Max15m-3m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	TCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1	0.2		20.0						46.0	46.0		
3,6 - 3,6							4	0.3		20.0						46.0	46.0		
4,5 - 4,5							8	0.4		20.0						46.0	46.0		
7,8 - 7,8							10	0.5		20.0						46.0	46.0		
							16	0.6		20.0						46.0	46.0		
i	Informational measurement only, no limit available						20	0.7		20.0						46.0	46.0		
							25	0.8		19.0						46.0	46.0		
							31.25	0.9		18.1						46.0	46.0		
							62.5	1.3		15.1						44.1	44.1		
							100	i		i						40.0	40.0		
							200	i		i						34.0	34.0		
							250	i		i						i	i		
							350	i		i						i	i		

Open-Max15m-5m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	TCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1	0.3		20.0						46.0	46.0		
3,6 - 3,6							4	0.5		20.0						46.0	46.0		
4,5 - 4,5							8	0.7		20.0						46.0	46.0		
7,8 - 7,8							10	0.8		20.0						46.0	46.0		
							16	1.0		20.0						46.0	46.0		
i	Informational measurement only, no limit available						20	1.2		20.0						46.0	46.0		
							25	1.3		19.0						46.0	46.0		
							31.25	1.5		18.1						46.0	46.0		
							62.5	2.2		15.1						44.1	44.1		
							100	i		i						40.0	40.0		
							200	i		i						34.0	34.0		
							250	i		i						i	i		
							350	i		i						i	i		

Open-Max15m-7m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	TCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1	0.4		20.0						46.0	46.0		
3,6 - 3,6							4	0.7		20.0						46.0	46.0		
4,5 - 4,5							8	1.0		20.0						46.0	46.0		
7,8 - 7,8							10	1.1		20.0						46.0	46.0		
							16	1.4		20.0						46.0	46.0		
i	Informational measurement only, no limit available						20	1.6		20.0						46.0	46.0		
							25	1.8		19.0						46.0	46.0		
							31.25	2.1		18.1						46.0	46.0		
							62.5	3.1		15.1						44.1	44.1		
							100	i		i						40.0	40.0		
							200	i		i						34.0	34.0		
							250	i		i						i	i		
							350	i		i						i	i		

Open-Max15m-10m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	TCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1	0.6		20.0						46.0	46.0		
3,6 - 3,6							4	1.0		20.0						46.0	46.0		
4,5 - 4,5							8	1.4		20.0						46.0	46.0		
7,8 - 7,8							10	1.6		20.0						46.0	46.0		
							16	2.0		20.0						46.0	46.0		
i	Informational measurement only, no limit available						20	2.3		20.0						46.0	46.0		
							25	2.6		19.0						46.0	46.0		
							31.25	3.0		18.1						46.0	46.0		
							62.5	4.4		15.1						44.1	44.1		
							100	i		i						40.0	40.0		
							200	i		i						34.0	34.0		
							250	i		i						i	i		
							350	i		i						i	i		

Open-Max15m-15m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	TCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1	0.9		20.0						46.0	46.0		
3,6 - 3,6							4	1.5		20.0						46.0	46.0		
4,5 - 4,5							8	2.1		20.0						46.0	46.0		
7,8 - 7,8							10	2.4		20.0						46.0	46.0		
							16	3.1		20.0						46.0	46.0		
i	Informational measurement only, no limit available						20	3.5		20.0						46.0	46.0		
							25	3.9		19.0						46.0	46.0		
							31.25	4.4		18.1						46.0	46.0		
							62.5	6.6		15.1						44.1	44.1		
							100	i		i						40.0	40.0		
							200	i		i						34.0	34.0		
							250	i		i						i	i		
							350	i		i						i	i		

YB-2m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	TCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1	0.1		20.0						46.0	46.0		
3,6 - 3,6							4	0.2		20.0						46.0	46.0		
4,5 - 4,5							8	0.2		20.0						46.0	46.0		
7,8 - 7,8							10	0.3		20.0						46.0	46.0		
							16	0.3		20.0						46.0	46.0		
i	Informational measurement only, no limit available						20	0.4		20.0						46.0	46.0		
							25	0.4		19.0						46.0	46.0		
							31.25	0.5		18.1						46.0	46.0		
							62.5	0.7		15.1						44.1	44.1		
							100	i		i						40.0	40.0		
							200	i		i						34.0	34.0		
							250	i		i						i	i		
							350	i		i						i	i		

YB-3m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	TCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1	0.2		20.0						46.0	46.0		
3,6 - 3,6							4	0.3		20.0						46.0	46.0		
4,5 - 4,5							8	0.3		20.0						46.0	46.0		
7,8 - 7,8							10	0.4		20.0						46.0	46.0		
							16	0.5		20.0						46.0	46.0		
i	Informational measurement only, no limit available						20	0.6		20.0						46.0	46.0		
							25	0.6		19.0						46.0	46.0		
							31.25	0.7		18.1						46.0	46.0		
							62.5	1.1		15.1						44.1	44.1		
							100	i		i						40.0	40.0		
							200	i		i						34.0	34.0		
							250	i		i						i	i		
							350	i		i						i	i		

YB-4m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	TCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1	0.2		20.0						46.0	46.0		
3,6 - 3,6							4	0.3		20.0						46.0	46.0		
4,5 - 4,5							8	0.5		20.0						46.0	46.0		
7,8 - 7,8							10	0.5		20.0						46.0	46.0		
							16	0.7		20.0						46.0	46.0		
i	Informational measurement only, no limit available						20	0.8		20.0						46.0	46.0		
							25	0.9		19.0						46.0	46.0		
							31.25	1.0		18.1						46.0	46.0		
							62.5	1.5		15.1						44.1	44.1		
							100	i		i						40.0	40.0		
							200	i		i						34.0	34.0		
							250	i		i						i	i		
							350	i		i						i	i		

YB-5m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	TCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1	0.3		20.0						46.0	46.0		
3,6 - 3,6							4	0.4		20.0						46.0	46.0		
4,5 - 4,5							8	0.6		20.0						46.0	46.0		
7,8 - 7,8							10	0.6		20.0						46.0	46.0		
							16	0.8		20.0						46.0	46.0		
i	Informational measurement only, no limit available						20	0.9		20.0						46.0	46.0		
							25	1.1		19.0						46.0	46.0		
							31.25	1.2		18.1						46.0	46.0		
							62.5	1.8		15.1						44.1	44.1		
							100	i		i						40.0	40.0		
							200	i		i						34.0	34.0		
							250	i		i						i	i		
							350	i		i						i	i		

YB-7m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	TCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1	0.4		20.0						46.0	46.0		
3,6 - 3,6							4	0.6		20.0						46.0	46.0		
4,5 - 4,5							8	0.8		20.0						46.0	46.0		
7,8 - 7,8							10	0.9		20.0						46.0	46.0		
							16	1.2		20.0						46.0	46.0		
i	Informational measurement only, no limit available						20	1.3		20.0						46.0	46.0		
							25	1.5		19.0						46.0	46.0		
							31.25	1.7		18.1						46.0	46.0		
							62.5	2.6		15.1						44.1	44.1		
							100	i		i						40.0	40.0		
							200	i		i						34.0	34.0		
							250	i		i						i	i		
							350	i		i						i	i		

YB-10m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	TCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1	0.6		20.0						46.0	46.0		
3,6 - 3,6							4	0.9		20.0						46.0	46.0		
4,5 - 4,5							8	1.2		20.0						46.0	46.0		
7,8 - 7,8							10	1.3		20.0						46.0	46.0		
							16	1.7		20.0						46.0	46.0		
i	Informational measurement only, no limit available						20	1.9		20.0						46.0	46.0		
							25	2.1		19.0						46.0	46.0		
							31.25	2.4		18.1						46.0	46.0		
							62.5	3.7		15.1						44.1	44.1		
							100	i		i						40.0	40.0		
							200	i		i						34.0	34.0		
							250	i		i						i	i		
							350	i		i						i	i		

YBO-2m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	TCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1	0.1		20.0						46.0	46.0		
3,6 - 3,6							4	0.2		20.0						46.0	46.0		
4,5 - 4,5							8	0.2		20.0						46.0	46.0		
7,8 - 7,8							10	0.3		20.0						46.0	46.0		
							16	0.3		20.0						46.0	46.0		
i	Informational measurement only, no limit available						20	0.4		20.0						46.0	46.0		
							25	0.4		19.0						46.0	46.0		
							31.25	0.5		18.1						46.0	46.0		
							62.5	0.7		15.1						44.1	44.1		
							100	i		i						40.0	40.0		
							200	i		i						34.0	34.0		
							250	i		i						i	i		
							350	i		i						i	i		

YBO-3m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	TCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1	0.2		20.0						46.0	46.0		
3,6 - 3,6							4	0.3		20.0						46.0	46.0		
4,5 - 4,5							8	0.3		20.0						46.0	46.0		
7,8 - 7,8							10	0.4		20.0						46.0	46.0		
							16	0.5		20.0						46.0	46.0		
i	Informational measurement only, no limit available						20	0.6		20.0						46.0	46.0		
							25	0.6		19.0						46.0	46.0		
							31.25	0.7		18.1						46.0	46.0		
							62.5	1.1		15.1						44.1	44.1		
							100	i		i						40.0	40.0		
							200	i		i						34.0	34.0		
							250	i		i						i	i		
							350	i		i						i	i		

YBO-4m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	TCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1	0.2		20.0						46.0	46.0		
3,6 - 3,6							4	0.3		20.0						46.0	46.0		
4,5 - 4,5							8	0.5		20.0						46.0	46.0		
7,8 - 7,8							10	0.5		20.0						46.0	46.0		
							16	0.7		20.0						46.0	46.0		
i	Informational measurement only, no limit available						20	0.8		20.0						46.0	46.0		
							25	0.9		19.0						46.0	46.0		
							31.25	1.0		18.1						46.0	46.0		
							62.5	1.5		15.1						44.1	44.1		
							100	i		i						40.0	40.0		
							200	i		i						34.0	34.0		
							250	i		i						i	i		
							350	i		i						i	i		

YBO-5m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	TCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1	0.3		20.0						46.0	46.0		
3,6 - 3,6							4	0.4		20.0						46.0	46.0		
4,5 - 4,5							8	0.6		20.0						46.0	46.0		
7,8 - 7,8							10	0.6		20.0						46.0	46.0		
							16	0.8		20.0						46.0	46.0		
i	Informational measurement only, no limit available						20	0.9		20.0						46.0	46.0		
							25	1.1		19.0						46.0	46.0		
							31.25	1.2		18.1						46.0	46.0		
							62.5	1.8		15.1						44.1	44.1		
							100	i		i						40.0	40.0		
							200	i		i						34.0	34.0		
							250	i		i						i	i		
							350	i		i						i	i		

YBO-7m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	TCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1	0.4		20.0						46.0	46.0		
3,6 - 3,6							4	0.6		20.0						46.0	46.0		
4,5 - 4,5							8	0.8		20.0						46.0	46.0		
7,8 - 7,8							10	0.9		20.0						46.0	46.0		
							16	1.2		20.0						46.0	46.0		
i	Informational measurement only, no limit available						20	1.3		20.0						46.0	46.0		
							25	1.5		19.0						46.0	46.0		
							31.25	1.7		18.1						46.0	46.0		
							62.5	2.6		15.1						44.1	44.1		
							100	i		i						40.0	40.0		
							200	i		i						34.0	34.0		
							250	i		i						i	i		
							350	i		i						i	i		

YBO-10m

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	TCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	i	i	1	0.6		20.0						46.0	46.0		
3,6 - 3,6							4	0.9		20.0						46.0	46.0		
4,5 - 4,5							8	1.2		20.0						46.0	46.0		
7,8 - 7,8							10	1.3		20.0						46.0	46.0		
							16	1.7		20.0						46.0	46.0		
i	Informational measurement only, no limit available						20	1.9		20.0						46.0	46.0		
							25	2.1		19.0						46.0	46.0		
							31.25	2.4		18.1						46.0	46.0		
							62.5	3.7		15.1						44.1	44.1		
							100	i		i						40.0	40.0		
							200	i		i						34.0	34.0		
							250	i		i						i	i		
							350	i		i						i	i		

Class D 2-Conn E1 11801-99-2WD3

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB		dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	496	43	1	4.0	64.2	19.0		60.0	61.2		57.0	40.0	30.0		
3,6 - 3,6							4	4.0	54.8	19.0		48.0	51.8		45.0	40.0	18.0		
							8	5.3	50.0	19.0		42.0	47.0		39.0	39.5	11.9		
							10	5.9	48.5	19.0		40.0	45.5		37.0	38.0	10.0		
							16	7.6	45.2	19.0		35.9	42.2		32.9	34.9	5.9		
i	Informational measurement only, no limit available						20	8.5	43.7	19.0		34.0	40.7		31.0	33.5	4.0		
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	9.5	42.1	18.0		32.1	39.1		29.1	32.0	2.0		
	If Insertion Loss < 4 dB, not evaluated against the test limit						31.25	10.7	40.5	17.1		30.1	37.5		27.1	30.5	i		
							62.5	15.5	35.7	14.0		24.1	32.7		21.1	24.5	i		
							100	20.0	32.3	12.0		20.0	29.3		17.0	20.4	i		
							200	i	i	i		i	i		i	i	i		
							250	i	i	i		i	i		i	i	i		
							350	i	i	i		i	i		i	i	i		

Class D 2-Conn E2 11801-99-2WD3

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB		dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	496	43	1	4.0	64.2	19.0		60.0	61.2		57.0	40.0	40.0		
3,6 - 3,6							4	4.0	54.8	19.0		48.0	51.8		45.0	40.0	28.0		
							8	5.3	50.0	19.0		42.0	47.0		39.0	40.0	21.9		
							10	5.9	48.5	19.0		40.0	45.5		37.0	40.0	20.0		
							16	7.6	45.2	19.0		35.9	42.2		32.9	40.0	15.9		
i	Informational measurement only, no limit available						20	8.5	43.7	19.0		34.0	40.7		31.0	40.0	14.0		
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	9.5	42.1	18.0		32.1	39.1		29.1	40.0	12.0		
	If Insertion Loss < 4 dB, not evaluated against the test limit						31.25	10.7	40.5	17.1		30.1	37.5		27.1	40.0	i		
							62.5	15.5	35.7	14.0		24.1	32.7		21.1	34.5	i		
							100	20.0	32.3	12.0		20.0	29.3		17.0	30.4	i		
							200	i	i	i		i	i		i	i	i		
							250	i	i	i		i	i		i	i	i		
							350	i	i	i		i	i		i	i	i		

Class D 2-Conn E3 11801-99-2WD3

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB		dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	496	43	1	4.0	64.2	19.0		60.0	61.2		57.0	40.0	40.0		
3,6 - 3,6							4	4.0	54.8	19.0		48.0	51.8		45.0	40.0	38.0		
							8	5.3	50.0	19.0		42.0	47.0		39.0	40.0	31.9		
							10	5.9	48.5	19.0		40.0	45.5		37.0	40.0	30.0		
							16	7.6	45.2	19.0		35.9	42.2		32.9	40.0	25.9		
i	Informational measurement only, no limit available						20	8.5	43.7	19.0		34.0	40.7		31.0	40.0	24.0		
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	9.5	42.1	18.0		32.1	39.1		29.1	40.0	22.0		
	If Insertion Loss < 4 dB, not evaluated against the test limit						31.25	10.7	40.5	17.1		30.1	37.5		27.1	40.0	i		
							62.5	15.5	35.7	14.0		24.1	32.7		21.1	40.0	i		
							100	20.0	32.3	12.0		20.0	29.3		17.0	40.0	i		
							200	i	i	i		i	i		i	i	i		
							250	i	i	i		i	i		i	i	i		
							350	i	i	i		i	i		i	i	i		

Class D 3-Conn E1 11801-99-2WD3

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB		dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	498	44	1	4.0	64.2	19.0		58.6	61.2		55.6	40.0	30.0		
3,6 - 3,6							4	4.0	54.8	19.0		46.6	51.8		43.6	40.0	18.0		
							8	5.4	50.0	19.0		40.6	47.0		37.6	39.5	11.9		
							10	6.1	48.5	19.0		38.6	45.5		35.6	38.0	10.0		
							16	7.7	45.2	19.0		34.5	42.2		31.5	34.9	5.9		
i	Informational measurement only, no limit available						20	8.7	43.7	19.0		32.6	40.7		29.6	33.5	4.0		
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	9.7	42.1	18.0		30.7	39.1		27.7	32.0	2.0		
	If Insertion Loss < 4 dB, not evaluated against the test limit						31.25	10.9	40.5	17.1		28.7	37.5		25.7	30.5	i		
							62.5	15.8	35.7	14.0		22.7	32.7		19.7	24.5	i		
							100	20.4	32.3	12.0		18.6	29.3		15.6	20.4	i		
							200	i	i	i		i	i		i	i	i		
							250	i	i	i		i	i		i	i	i		
							350	i	i	i		i	i		i	i	i		

Class D 3-Conn E2 11801-99-2WD3

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB		dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	498	44	1	4.0	64.2	19.0		58.6	61.2		55.6	40.0	40.0		
3,6 - 3,6							4	4.0	54.8	19.0		46.6	51.8		43.6	40.0	28.0		
							8	5.4	50.0	19.0		40.6	47.0		37.6	40.0	21.9		
							10	6.1	48.5	19.0		38.6	45.5		35.6	40.0	20.0		
							16	7.7	45.2	19.0		34.5	42.2		31.5	40.0	15.9		
i	Informational measurement only, no limit available						20	8.7	43.7	19.0		32.6	40.7		29.6	40.0	14.0		
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	9.7	42.1	18.0		30.7	39.1		27.7	40.0	12.0		
	If Insertion Loss < 4 dB, not evaluated against the test limit						31.25	10.9	40.5	17.1		28.7	37.5		25.7	40.0	i		
							62.5	15.8	35.7	14.0		22.7	32.7		19.7	34.5	i		
							100	20.4	32.3	12.0		18.6	29.3		15.6	30.4	i		
							200	i	i	i		i	i		i	i	i		
							250	i	i	i		i	i		i	i	i		
							350	i	i	i		i	i		i	i	i		

Class D 3-Conn E3 11801-99-2WD3

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB		dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	498	44	1	4.0	64.2	19.0		58.6	61.2		55.6	40.0	40.0		
3,6 - 3,6							4	4.0	54.8	19.0		46.6	51.8		43.6	40.0	38.0		
							8	5.4	50.0	19.0		40.6	47.0		37.6	40.0	31.9		
							10	6.1	48.5	19.0		38.6	45.5		35.6	40.0	30.0		
							16	7.7	45.2	19.0		34.5	42.2		31.5	40.0	25.9		
i	Informational measurement only, no limit available						20	8.7	43.7	19.0		32.6	40.7		29.6	40.0	24.0		
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	9.7	42.1	18.0		30.7	39.1		27.7	40.0	22.0		
	If Insertion Loss < 4 dB, not evaluated against the test limit						31.25	10.9	40.5	17.1		28.7	37.5		25.7	40.0	i		
							62.5	15.8	35.7	14.0		22.7	32.7		19.7	40.0	i		
							100	20.4	32.3	12.0		18.6	29.3		15.6	40.0	i		
							200	i	i	i		i	i		i	i	i		
							250	i	i	i		i	i		i	i	i		
							350	i	i	i		i	i		i	i	i		

Class D 4-Conn E1 11801-99-2WD3

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB		dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	555	50	1	4.0	63.3	16.6		55.0	60.3		52.0	40.0	30.0		
3,6 - 3,6							4	4.5	53.5	16.6		43.0	50.5		40.0	40.0	18.0		
							8	6.4	48.4	16.5		37.0	45.4		34.0	39.5	11.9		
							10	7.2	46.8	16.5		35.0	43.8		32.0	38.0	10.0		
							16	9.1	43.3	16.5		30.9	40.3		27.9	34.9	5.9		
i	Informational measurement only, no limit available						20	10.2	41.5	16.4		29.0	38.5		26.0	33.5	4.0		
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	11.5	39.8	15.4		27.1	36.8		24.1	32.0	2.0		
	If Insertion Loss < 4 dB, not evaluated against the test limit						31.25	12.9	38.0	14.4		25.1	35.0		22.1	30.5	i		
							62.5	18.6	32.2	11.1		19.1	29.2		16.1	24.5	i		
							100	24.0	27.9	8.7		15.0	24.9		12.0	20.4	i		
							200	i	i	i		i	i		i	i	i		
							250	i	i	i		i	i		i	i	i		
							350	i	i	i		i	i		i	i	i		

Class D 4-Conn E2 11801-99-2WD3

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB		dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	555	50	1	4.0	63.3	16.6		55.0	60.3		52.0	40.0	40.0		
3,6 - 3,6							4	4.5	53.5	16.6		43.0	50.5		40.0	40.0	28.0		
							8	6.4	48.4	16.5		37.0	45.4		34.0	40.0	21.9		
							10	7.2	46.8	16.5		35.0	43.8		32.0	40.0	20.0		
							16	9.1	43.3	16.5		30.9	40.3		27.9	40.0	15.9		
i	Informational measurement only, no limit available						20	10.2	41.5	16.4		29.0	38.5		26.0	40.0	14.0		
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	11.5	39.8	15.4		27.1	36.8		24.1	40.0	12.0		
	If Insertion Loss < 4 dB, not evaluated against the test limit						31.25	12.9	38.0	14.4		25.1	35.0		22.1	40.0	i		
							62.5	18.6	32.2	11.1		19.1	29.2		16.1	34.5	i		
							100	24.0	27.9	8.7		15.0	24.9		12.0	30.4	i		
							200	i	i	i		i	i		i	i	i		
							250	i	i	i		i	i		i	i	i		
							350	i	i	i		i	i		i	i	i		

Class D 4-Conn E3 11801-99-2WD3

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB		dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	555	50	1	4.0	63.3	16.6		55.0	60.3		52.0	40.0	40.0		
3,6 - 3,6							4	4.5	53.5	16.6		43.0	50.5		40.0	40.0	38.0		
							8	6.4	48.4	16.5		37.0	45.4		34.0	40.0	31.9		
							10	7.2	46.8	16.5		35.0	43.8		32.0	40.0	30.0		
							16	9.1	43.3	16.5		30.9	40.3		27.9	40.0	25.9		
i	Informational measurement only, no limit available						20	10.2	41.5	16.4		29.0	38.5		26.0	40.0	24.0		
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	11.5	39.8	15.4		27.1	36.8		24.1	40.0	22.0		
	If Insertion Loss < 4 dB, not evaluated against the test limit						31.25	12.9	38.0	14.4		25.1	35.0		22.1	40.0	i		
							62.5	18.6	32.2	11.1		19.1	29.2		16.1	40.0	i		
							100	24.0	27.9	8.7		15.0	24.9		12.0	40.0	i		
							200	i	i	i		i	i		i	i	i		
							250	i	i	i		i	i		i	i	i		
							350	i	i	i		i	i		i	i	i		

Class D 5-Conn E1 11801-99-2WD3

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB		dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	558	51	1	4.0	63.3	16.7		56.0	60.3		53.0	40.0	30.0		
3,6 - 3,6							4	4.6	53.5	16.6		43.9	50.5		40.9	40.0	18.0		
							8	6.5	48.5	16.6		37.9	45.5		34.9	39.5	11.9		
							10	7.3	46.8	16.6		36.0	43.8		33.0	38.0	10.0		
							16	9.3	43.3	16.5		31.9	40.3		28.9	34.9	5.9		
i	Informational measurement only, no limit available						20	10.4	41.6	16.5		30.0	38.6		27.0	33.5	4.0		
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	11.7	39.9	15.4		28.0	36.9		25.0	32.0	2.0		
	If Insertion Loss < 4 dB, not evaluated against the test limit						31.25	13.1	38.2	14.4		26.1	35.2		23.1	30.5	i		
							62.5	18.9	32.5	11.0		20.1	29.5		17.1	24.5	i		
							100	24.4	28.4	8.6		16.0	25.4		13.0	20.4	i		
							200	i	i	i		i	i		i	i	i		
							250	i	i	i		i	i		i	i	i		
							350	i	i	i		i	i		i	i	i		

Class D 5-Conn E2 11801-99-2WD3

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB		dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	558	51	1	4.0	63.3	16.7		56.0	60.3		53.0	40.0	40.0		
3,6 - 3,6							4	4.6	53.5	16.6		43.9	50.5		40.9	40.0	28.0		
							8	6.5	48.5	16.6		37.9	45.5		34.9	40.0	21.9		
							10	7.3	46.8	16.6		36.0	43.8		33.0	40.0	20.0		
							16	9.3	43.3	16.5		31.9	40.3		28.9	40.0	15.9		
i	Informational measurement only, no limit available						20	10.4	41.6	16.5		30.0	38.6		27.0	40.0	14.0		
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	11.7	39.9	15.4		28.0	36.9		25.0	40.0	12.0		
	If Insertion Loss < 4 dB, not evaluated against the test limit						31.25	13.1	38.2	14.4		26.1	35.2		23.1	40.0	i		
							62.5	18.9	32.5	11.0		20.1	29.5		17.1	34.5	i		
							100	24.4	28.4	8.6		16.0	25.4		13.0	30.4	i		
							200	i	i	i		i	i		i	i	i		
							250	i	i	i		i	i		i	i	i		
							350	i	i	i		i	i		i	i	i		

Class D 5-Conn E3 11801-99-2WD3

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB		dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	558	51	1	4.0	63.3	16.7		56.0	60.3		53.0	40.0	40.0		
3,6 - 3,6							4	4.6	53.5	16.6		43.9	50.5		40.9	40.0	38.0		
							8	6.5	48.5	16.6		37.9	45.5		34.9	40.0	31.9		
							10	7.3	46.8	16.6		36.0	43.8		33.0	40.0	30.0		
							16	9.3	43.3	16.5		31.9	40.3		28.9	40.0	25.9		
i	Informational measurement only, no limit available						20	10.4	41.6	16.5		30.0	38.6		27.0	40.0	24.0		
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	11.7	39.9	15.4		28.0	36.9		25.0	40.0	22.0		
	If Insertion Loss < 4 dB, not evaluated against the test limit						31.25	13.1	38.2	14.4		26.1	35.2		23.1	40.0	i		
							62.5	18.9	32.5	11.0		20.1	29.5		17.1	40.0	i		
							100	24.4	28.4	8.6		16.0	25.4		13.0	40.0	i		
							200	i	i	i		i	i		i	i	i		
							250	i	i	i		i	i		i	i	i		
							350	i	i	i		i	i		i	i	i		

Class D 6-Conn E1 11801-99-2WD3

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB		dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	560	53	1	4.0	63.3	16.7		56.3	60.3		53.3	40.0	30.0		
3,6 - 3,6							4	4.7	53.5	16.7		44.2	50.5		41.2	40.0	18.0		
							8	6.6	48.5	16.6		38.2	45.5		35.2	39.5	11.9		
							10	7.4	46.9	16.6		36.3	43.9		33.3	38.0	10.0		
							16	9.4	43.4	16.5		32.2	40.4		29.2	34.9	5.9		
i	Informational measurement only, no limit available						20	10.6	41.7	16.5		30.3	38.7		27.3	33.5	4.0		
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	11.9	40.0	15.4		28.3	37.0		25.3	32.0	2.0		
	If Insertion Loss < 4 dB, not evaluated against the test limit						31.25	13.3	38.3	14.4		26.4	35.3		23.4	30.5	i		
							62.5	19.2	32.8	11.0		20.4	29.8		17.4	24.5	i		
							100	24.8	28.8	8.4		16.3	25.8		13.3	20.4	i		
							200	i	i	i		i	i		i	i	i		
							250	i	i	i		i	i		i	i	i		
							350	i	i	i		i	i		i	i	i		

Class D 6-Conn E2 11801-99-2WD3

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB		dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	560	53	1	4.0	63.3	16.7		56.3	60.3		53.3	40.0	40.0		
3,6 - 3,6							4	4.7	53.5	16.7		44.2	50.5		41.2	40.0	28.0		
							8	6.6	48.5	16.6		38.2	45.5		35.2	40.0	21.9		
							10	7.4	46.9	16.6		36.3	43.9		33.3	40.0	20.0		
							16	9.4	43.4	16.5		32.2	40.4		29.2	40.0	15.9		
i	Informational measurement only, no limit available						20	10.6	41.7	16.5		30.3	38.7		27.3	40.0	14.0		
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	11.9	40.0	15.4		28.3	37.0		25.3	40.0	12.0		
	If Insertion Loss < 4 dB, not evaluated against the test limit						31.25	13.3	38.3	14.4		26.4	35.3		23.4	40.0	i		
							62.5	19.2	32.8	11.0		20.4	29.8		17.4	34.5	i		
							100	24.8	28.8	8.4		16.3	25.8		13.3	30.4	i		
							200	i	i	i		i	i		i	i	i		
							250	i	i	i		i	i		i	i	i		
							350	i	i	i		i	i		i	i	i		

Class D 6-Conn E3 11801-99-2WD3

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB		dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	560	53	1	4.0	63.3	16.7		56.3	60.3		53.3	40.0	40.0		
3,6 - 3,6							4	4.7	53.5	16.7		44.2	50.5		41.2	40.0	38.0		
							8	6.6	48.5	16.6		38.2	45.5		35.2	40.0	31.9		
							10	7.4	46.9	16.6		36.3	43.9		33.3	40.0	30.0		
							16	9.4	43.4	16.5		32.2	40.4		29.2	40.0	25.9		
i	Informational measurement only, no limit available						20	10.6	41.7	16.5		30.3	38.7		27.3	40.0	24.0		
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	11.9	40.0	15.4		28.3	37.0		25.3	40.0	22.0		
	If Insertion Loss < 4 dB, not evaluated against the test limit						31.25	13.3	38.3	14.4		26.4	35.3		23.4	40.0	i		
							62.5	19.2	32.8	11.0		20.4	29.8		17.4	40.0	i		
							100	24.8	28.8	8.4		16.3	25.8		13.3	40.0	i		
							200	i	i	i		i	i		i	i	i		
							250	i	i	i		i	i		i	i	i		
							350	i	i	i		i	i		i	i	i		

Class E 2-Conn E1 11801-99-2WD3

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB		dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	496	43	1	4.0	65.0	21.0		65.0	62.0		62.0	40.0	30.0		
3,6 - 3,6							4	4.0	64.1	21.0		53.2	61.8		50.2	40.0	18.0		
							8	4.9	59.4	21.0		47.2	57.0		44.2	39.5	11.9		
							10	5.5	57.8	21.0		45.2	55.5		42.2	38.0	10.0		
							16	7.0	54.6	20.0		41.2	52.2		38.2	34.9	5.9		
i	Informational measurement only, no limit available						20	7.9	53.1	19.5		39.2	50.7		36.2	33.5	4.0		
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	8.8	51.5	19.0		37.3	49.1		34.3	32.0	2.0		
	If Insertion Loss < 4 dB, not evaluated against the test limit						31.25	9.9	50.0	18.5		35.3	47.5		32.3	30.5	i		
							62.5	14.2	45.1	16.0		29.3	42.7		26.3	24.5	i		
							100	18.3	41.8	14.0		25.2	39.3		22.2	20.4	i		
							200	26.8	36.9	11.0		19.2	34.3		16.2	14.4	i		
							250	30.3	35.3	10.0		17.3	32.7		14.3	12.4	i		
							350	i	i	i		i	i		i	i	i		

Class E 2-Conn E2 11801-99-2WD3

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB		dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	496	43	1	4.0	65.0	21.0		65.0	62.0		62.0	40.0	40.0		
3,6 - 3,6							4	4.0	64.1	21.0		53.2	61.8		50.2	40.0	28.0		
							8	4.9	59.4	21.0		47.2	57.0		44.2	40.0	21.9		
							10	5.5	57.8	21.0		45.2	55.5		42.2	40.0	20.0		
							16	7.0	54.6	20.0		41.2	52.2		38.2	40.0	15.9		
i	Informational measurement only, no limit available						20	7.9	53.1	19.5		39.2	50.7		36.2	40.0	14.0		
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	8.8	51.5	19.0		37.3	49.1		34.3	40.0	12.0		
	If Insertion Loss < 4 dB, not evaluated against the test limit						31.25	9.9	50.0	18.5		35.3	47.5		32.3	40.0	i		
							62.5	14.2	45.1	16.0		29.3	42.7		26.3	34.5	i		
							100	18.3	41.8	14.0		25.2	39.3		22.2	30.4	i		
							200	26.8	36.9	11.0		19.2	34.3		16.2	24.4	i		
							250	30.3	35.3	10.0		17.3	32.7		14.3	22.4	i		
							350	i	i	i		i	i		i	i	i		

Class E 2-Conn E3 11801-99-2WD3

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB		dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	496	43	1	4.0	65.0	21.0		65.0	62.0		62.0	40.0	40.0		
3,6 - 3,6							4	4.0	64.1	21.0		53.2	61.8		50.2	40.0	38.0		
							8	4.9	59.4	21.0		47.2	57.0		44.2	40.0	31.9		
							10	5.5	57.8	21.0		45.2	55.5		42.2	40.0	30.0		
							16	7.0	54.6	20.0		41.2	52.2		38.2	40.0	25.9		
i	Informational measurement only, no limit available						20	7.9	53.1	19.5		39.2	50.7		36.2	40.0	24.0		
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	8.8	51.5	19.0		37.3	49.1		34.3	40.0	22.0		
	If Insertion Loss < 4 dB, not evaluated against the test limit						31.25	9.9	50.0	18.5		35.3	47.5		32.3	40.0	i		
							62.5	14.2	45.1	16.0		29.3	42.7		26.3	40.0	i		
							100	18.3	41.8	14.0		25.2	39.3		22.2	40.0	i		
							200	26.8	36.9	11.0		19.2	34.3		16.2	34.4	i		
							250	30.3	35.3	10.0		17.3	32.7		14.3	32.4	i		
							350	i	i	i		i	i		i	i	i		

Class E 3-Conn E1 11801-99-2WD3

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB		dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	498	44	1	4.0	65.0	21.0		64.2	62.0		61.2	40.0	30.0		
3,6 - 3,6							4	4.0	64.1	21.0		52.1	61.8		49.1	40.0	18.0		
							8	5.0	59.4	21.0		46.1	57.0		43.1	39.5	11.9		
							10	5.6	57.8	21.0		44.2	55.5		41.2	38.0	10.0		
							16	7.1	54.6	20.0		40.1	52.2		37.1	34.9	5.9		
i	Informational measurement only, no limit available						20	7.9	53.1	19.5		38.2	50.7		35.2	33.5	4.0		
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	8.9	51.5	19.0		36.2	49.1		33.2	32.0	2.0		
	If Insertion Loss < 4 dB, not evaluated against the test limit						31.25	10.0	50.0	18.5		34.3	47.5		31.3	30.5	i		
							62.5	14.4	45.1	16.0		28.3	42.7		25.3	24.5	i		
							100	18.5	41.8	14.0		24.2	39.3		21.2	20.4	i		
							200	27.1	36.9	11.0		18.2	34.3		15.2	14.4	i		
							250	30.7	35.3	10.0		16.2	32.7		13.2	12.4	i		
							350	i	i	i		i	i		i	i	i		

Class E 3-Conn E2 11801-99-2WD3

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB		dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	498	44	1	4.0	65.0	21.0		64.2	62.0		61.2	40.0	40.0		
3,6 - 3,6							4	4.0	64.1	21.0		52.1	61.8		49.1	40.0	28.0		
							8	5.0	59.4	21.0		46.1	57.0		43.1	40.0	21.9		
							10	5.6	57.8	21.0		44.2	55.5		41.2	40.0	20.0		
							16	7.1	54.6	20.0		40.1	52.2		37.1	40.0	15.9		
i	Informational measurement only, no limit available						20	7.9	53.1	19.5		38.2	50.7		35.2	40.0	14.0		
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	8.9	51.5	19.0		36.2	49.1		33.2	40.0	12.0		
	If Insertion Loss < 4 dB, not evaluated against the test limit						31.25	10.0	50.0	18.5		34.3	47.5		31.3	40.0	i		
							62.5	14.4	45.1	16.0		28.3	42.7		25.3	34.5	i		
							100	18.5	41.8	14.0		24.2	39.3		21.2	30.4	i		
							200	27.1	36.9	11.0		18.2	34.3		15.2	24.4	i		
							250	30.7	35.3	10.0		16.2	32.7		13.2	22.4	i		
							350	i	i	i		i	i		i	i	i		

Class E 3-Conn E3 11801-99-2WD3

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB		dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	498	44	1	4.0	65.0	21.0		64.2	62.0		61.2	40.0	40.0		
3,6 - 3,6							4	4.0	64.1	21.0		52.1	61.8		49.1	40.0	38.0		
							8	5.0	59.4	21.0		46.1	57.0		43.1	40.0	31.9		
							10	5.6	57.8	21.0		44.2	55.5		41.2	40.0	30.0		
							16	7.1	54.6	20.0		40.1	52.2		37.1	40.0	25.9		
i	Informational measurement only, no limit available						20	7.9	53.1	19.5		38.2	50.7		35.2	40.0	24.0		
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	8.9	51.5	19.0		36.2	49.1		33.2	40.0	22.0		
	If Insertion Loss < 4 dB, not evaluated against the test limit						31.25	10.0	50.0	18.5		34.3	47.5		31.3	40.0	i		
							62.5	14.4	45.1	16.0		28.3	42.7		25.3	40.0	i		
							100	18.5	41.8	14.0		24.2	39.3		21.2	40.0	i		
							200	27.1	36.9	11.0		18.2	34.3		15.2	34.4	i		
							250	30.7	35.3	10.0		16.2	32.7		13.2	32.4	i		
							350	i	i	i		i	i		i	i	i		

Class E 4-Conn E1 11801-99-2WD3

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB		dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	555	50	1	4.0	65.0	18.3		62.3	62.0		59.3	40.0	30.0		
3,6 - 3,6							4	4.2	63.0	18.3		50.3	60.5		47.3	40.0	18.0		
							8	5.9	58.1	18.3		44.3	55.5		41.3	39.5	11.9		
							10	6.6	56.5	18.3		42.3	53.9		39.3	38.0	10.0		
							16	8.3	53.0	17.2		38.2	50.4		35.2	34.9	5.9		
i	Informational measurement only, no limit available						20	9.3	51.4	16.7		36.3	48.7		33.3	33.5	4.0		
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	10.5	49.7	16.2		34.4	47.0		31.4	32.0	2.0		
	If Insertion Loss < 4 dB, not evaluated against the test limit						31.25	11.7	48.0	15.7		32.4	45.3		29.4	30.5	i		
							62.5	16.9	42.6	13.0		26.4	39.8		23.4	24.5	i		
							100	21.7	38.6	10.8		22.3	35.8		19.3	20.4	i		
							200	31.7	32.1	7.3		16.3	29.2		13.3	14.4	i		
							250	35.9	29.8	6.1		14.4	26.8		11.4	12.4	i		
							350	i	i	i		i	i		i	i	i		

Class E 4-Conn E2 11801-99-2WD3

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB		dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	555	50	1	4.0	65.0	18.3		62.3	62.0		59.3	40.0	40.0		
3,6 - 3,6							4	4.2	63.0	18.3		50.3	60.5		47.3	40.0	28.0		
							8	5.9	58.1	18.3		44.3	55.5		41.3	40.0	21.9		
							10	6.6	56.5	18.3		42.3	53.9		39.3	40.0	20.0		
							16	8.3	53.0	17.2		38.2	50.4		35.2	40.0	15.9		
i	Informational measurement only, no limit available						20	9.3	51.4	16.7		36.3	48.7		33.3	40.0	14.0		
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	10.5	49.7	16.2		34.4	47.0		31.4	40.0	12.0		
	If Insertion Loss < 4 dB, not evaluated against the test limit						31.25	11.7	48.0	15.7		32.4	45.3		29.4	40.0	i		
							62.5	16.9	42.6	13.0		26.4	39.8		23.4	34.5	i		
							100	21.7	38.6	10.8		22.3	35.8		19.3	30.4	i		
							200	31.7	32.1	7.3		16.3	29.2		13.3	24.4	i		
							250	35.9	29.8	6.1		14.4	26.8		11.4	22.4	i		
							350	i	i	i		i	i		i	i	i		

Class E 4-Conn E3 11801-99-2WD3

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB		dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	555	50	1	4.0	65.0	18.3		62.3	62.0		59.3	40.0	40.0		
3,6 - 3,6							4	4.2	63.0	18.3		50.3	60.5		47.3	40.0	38.0		
							8	5.9	58.1	18.3		44.3	55.5		41.3	40.0	31.9		
							10	6.6	56.5	18.3		42.3	53.9		39.3	40.0	30.0		
							16	8.3	53.0	17.2		38.2	50.4		35.2	40.0	25.9		
i	Informational measurement only, no limit available						20	9.3	51.4	16.7		36.3	48.7		33.3	40.0	24.0		
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	10.5	49.7	16.2		34.4	47.0		31.4	40.0	22.0		
	If Insertion Loss < 4 dB, not evaluated against the test limit						31.25	11.7	48.0	15.7		32.4	45.3		29.4	40.0	i		
							62.5	16.9	42.6	13.0		26.4	39.8		23.4	40.0	i		
							100	21.7	38.6	10.8		22.3	35.8		19.3	40.0	i		
							200	31.7	32.1	7.3		16.3	29.2		13.3	34.4	i		
							250	35.9	29.8	6.1		14.4	26.8		11.4	32.4	i		
							350	i	i	i		i	i		i	i	i		

Class E 5-Conn E1 11801-99-2WD3

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB		dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	558	51	1	4.0	65.0	18.4		62.7	62.0		59.7	40.0	30.0		
3,6 - 3,6							4	4.2	63.0	18.4		50.7	60.5		47.7	40.0	18.0		
							8	5.9	58.1	18.4		44.6	55.5		41.6	39.5	11.9		
							10	6.6	56.5	18.4		42.7	53.9		39.7	38.0	10.0		
							16	8.4	53.1	17.3		38.6	50.4		35.6	34.9	5.9		
i	Informational measurement only, no limit available						20	9.4	51.4	16.8		36.7	48.8		33.7	33.5	4.0		
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	10.6	49.8	16.3		34.7	47.1		31.7	32.0	2.0		
	If Insertion Loss < 4 dB, not evaluated against the test limit						31.25	11.8	48.1	15.8		32.8	45.4		29.8	30.5	i		
							62.5	17.0	42.7	13.1		26.8	39.9		23.8	24.5	i		
							100	21.9	38.9	10.9		22.7	36.0		19.7	20.4	i		
							200	32.0	32.6	7.3		16.7	29.7		13.7	14.4	i		
							250	36.2	30.4	6.0		14.7	27.5		11.7	12.4	i		
							350	i	i	i		i	i		i	i	i		

Class E 5-Conn E2 11801-99-2WD3

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB		dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	558	51	1	4.0	65.0	18.4		62.7	62.0		59.7	40.0	40.0		
3,6 - 3,6							4	4.2	63.0	18.4		50.7	60.5		47.7	40.0	28.0		
							8	5.9	58.1	18.4		44.6	55.5		41.6	40.0	21.9		
							10	6.6	56.5	18.4		42.7	53.9		39.7	40.0	20.0		
							16	8.4	53.1	17.3		38.6	50.4		35.6	40.0	15.9		
i	Informational measurement only, no limit available						20	9.4	51.4	16.8		36.7	48.8		33.7	40.0	14.0		
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	10.6	49.8	16.3		34.7	47.1		31.7	40.0	12.0		
	If Insertion Loss < 4 dB, not evaluated against the test limit						31.25	11.8	48.1	15.8		32.8	45.4		29.8	40.0	i		
							62.5	17.0	42.7	13.1		26.8	39.9		23.8	34.5	i		
							100	21.9	38.9	10.9		22.7	36.0		19.7	30.4	i		
							200	32.0	32.6	7.3		16.7	29.7		13.7	24.4	i		
							250	36.2	30.4	6.0		14.7	27.5		11.7	22.4	i		
							350	i	i	i		i	i		i	i	i		

Class E 5-Conn E3 11801-99-2WD3

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB		dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	558	51	1	4.0	65.0	18.4		62.7	62.0		59.7	40.0	40.0		
3,6 - 3,6							4	4.2	63.0	18.4		50.7	60.5		47.7	40.0	38.0		
							8	5.9	58.1	18.4		44.6	55.5		41.6	40.0	31.9		
							10	6.6	56.5	18.4		42.7	53.9		39.7	40.0	30.0		
							16	8.4	53.1	17.3		38.6	50.4		35.6	40.0	25.9		
i	Informational measurement only, no limit available						20	9.4	51.4	16.8		36.7	48.8		33.7	40.0	24.0		
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	10.6	49.8	16.3		34.7	47.1		31.7	40.0	22.0		
	If Insertion Loss < 4 dB, not evaluated against the test limit						31.25	11.8	48.1	15.8		32.8	45.4		29.8	40.0	i		
							62.5	17.0	42.7	13.1		26.8	39.9		23.8	40.0	i		
							100	21.9	38.9	10.9		22.7	36.0		19.7	40.0	i		
							200	32.0	32.6	7.3		16.7	29.7		13.7	34.4	i		
							250	36.2	30.4	6.0		14.7	27.5		11.7	32.4	i		
							350	i	i	i		i	i		i	i	i		

Class E 6-Conn E1 11801-99-2WD3

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB		dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	560	53	1	4.0	65.0	18.5		62.8	65.0		59.8	40.0	30.0		
3,6 - 3,6							4	4.3	63.0	18.4		50.8	60.5		47.8	40.0	18.0		
							8	6.0	58.1	18.4		44.7	55.5		41.7	39.5	11.9		
							10	6.7	56.5	18.4		42.8	53.9		39.8	38.0	10.0		
							16	8.5	53.1	17.3		38.7	50.5		35.7	34.9	5.9		
i	Informational measurement only, no limit available						20	9.5	51.4	16.8		36.8	48.8		33.8	33.5	4.0		
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	10.7	49.8	16.3		34.8	47.1		31.8	32.0	2.0		
	If Insertion Loss < 4 dB, not evaluated against the test limit						31.25	12.0	48.1	15.8		32.9	45.4		29.9	30.5	i		
							62.5	17.2	42.8	13.1		26.9	40.0		23.9	24.5	i		
							100	22.1	39.0	10.9		22.8	36.1		19.8	20.4	i		
							200	32.3	32.9	7.3		16.8	29.9		13.8	14.4	i		
							250	36.6	30.7	6.0		14.8	27.8		11.8	12.4	i		
							350	i	i	i		i	i		i	i	i		

Class E 6-Conn E2 11801-99-2WD3

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB		dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	560	53	1	4.0	65.0	18.5		62.8	65.0		59.8	40.0	40.0		
3,6 - 3,6							4	4.3	63.0	18.4		50.8	60.5		47.8	40.0	28.0		
							8	6.0	58.1	18.4		44.7	55.5		41.7	40.0	21.9		
							10	6.7	56.5	18.4		42.8	53.9		39.8	40.0	20.0		
							16	8.5	53.1	17.3		38.7	50.5		35.7	40.0	15.9		
i	Informational measurement only, no limit available						20	9.5	51.4	16.8		36.8	48.8		33.8	40.0	14.0		
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	10.7	49.8	16.3		34.8	47.1		31.8	40.0	12.0		
	If Insertion Loss < 4 dB, not evaluated against the test limit						31.25	12.0	48.1	15.8		32.9	45.4		29.9	40.0	i		
							62.5	17.2	42.8	13.1		26.9	40.0		23.9	34.5	i		
							100	22.1	39.0	10.9		22.8	36.1		19.8	30.4	i		
							200	32.3	32.9	7.3		16.8	29.9		13.8	24.4	i		
							250	36.6	30.7	6.0		14.8	27.8		11.8	22.4	i		
							350	i	i	i		i	i		i	i	i		

Class E 6-Conn E3 11801-99-2WD3

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB		dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	560	53	1	4.0	65.0	18.5		62.8	65.0		59.8	40.0	40.0		
3,6 - 3,6							4	4.3	63.0	18.4		50.8	60.5		47.8	40.0	38.0		
							8	6.0	58.1	18.4		44.7	55.5		41.7	40.0	31.9		
							10	6.7	56.5	18.4		42.8	53.9		39.8	40.0	30.0		
							16	8.5	53.1	17.3		38.7	50.5		35.7	40.0	25.9		
i	Informational measurement only, no limit available						20	9.5	51.4	16.8		36.8	48.8		33.8	40.0	24.0		
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	10.7	49.8	16.3		34.8	47.1		31.8	40.0	22.0		
	If Insertion Loss < 4 dB, not evaluated against the test limit						31.25	12.0	48.1	15.8		32.9	45.4		29.9	40.0	i		
							62.5	17.2	42.8	13.1		26.9	40.0		23.9	40.0	i		
							100	22.1	39.0	10.9		22.8	36.1		19.8	40.0	i		
							200	32.3	32.9	7.3		16.8	29.9		13.8	34.4	i		
							250	36.6	30.7	6.0		14.8	27.8		11.8	32.4	i		
							350	i	i	i		i	i		i	i	i		

Class Ea CP 2-Conn E1 11801-99-2WD3

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB		dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	496	43	1	4.0	65.0	21.0		65.0	62.0		62.0	40.0	30.0		
3,6 - 3,6							4	4.0	64.1	21.0		53.2	61.8		50.2	40.0	18.0		
							8	4.9	59.4	21.0		47.2	57.0		44.2	39.5	11.9		
							10	5.5	57.8	21.0		45.2	55.5		42.2	38.0	10.0		
							16	6.9	54.6	20.0		41.2	52.2		38.2	34.9	5.9		
i	Informational measurement only, no limit available						20	7.7	53.1	19.5		39.2	50.7		36.2	33.5	4.0		
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	8.6	51.5	19.0		37.3	49.1		34.3	32.0	2.0		
	If Insertion Loss < 4 dB, not evaluated against the test limit						31.25	9.7	50.0	18.5		35.3	47.5		32.3	30.5	i		
							62.5	13.8	45.1	16.0		29.3	42.7		26.3	24.5	i		
							100	17.6	41.8	14.0		25.2	39.3		22.2	20.4	i		
							200	25.4	36.9	11.0		19.2	34.3		16.2	14.4	i		
							250	28.6	35.3	10.0		17.3	32.7		14.3	12.4	i		
							350	34.3	32.6	8.6		14.4	29.9		11.4	9.5	i		
							450	39.3	30.2	8.0		12.2	27.4		9.2	7.3	i		
							500	41.6	29.2	8.0		11.3	26.4		8.3	6.4	i		

Class Ea CP 2-Conn E2 11801-99-2WD3

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB		dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	496	43	1	4.0	65.0	21.0		65.0	62.0		62.0	40.0	40.0		
3,6 - 3,6							4	4.0	64.1	21.0		53.2	61.8		50.2	40.0	28.0		
							8	4.9	59.4	21.0		47.2	57.0		44.2	40.0	21.9		
							10	5.5	57.8	21.0		45.2	55.5		42.2	40.0	20.0		
							16	6.9	54.6	20.0		41.2	52.2		38.2	40.0	15.9		
i	Informational measurement only, no limit available						20	7.7	53.1	19.5		39.2	50.7		36.2	40.0	14.0		
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	8.6	51.5	19.0		37.3	49.1		34.3	40.0	12.0		
	If Insertion Loss < 4 dB, not evaluated against the test limit						31.25	9.7	50.0	18.5		35.3	47.5		32.3	40.0	i		
							62.5	13.8	45.1	16.0		29.3	42.7		26.3	34.5	i		
							100	17.6	41.8	14.0		25.2	39.3		22.2	30.4	i		
							200	25.4	36.9	11.0		19.2	34.3		16.2	24.4	i		
							250	28.6	35.3	10.0		17.3	32.7		14.3	22.4	i		
							350	34.3	32.6	8.6		14.4	29.9		11.4	19.5	i		
							450	39.3	30.2	8.0		12.2	27.4		9.2	17.3	i		
							500	41.6	29.2	8.0		11.3	26.4		8.3	16.4	i		

Class Ea CP 2-Conn E3 11801-99-2WD3

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB		dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	i			i	496	43	1	4.0	65.0	21.0		65.0	62.0		62.0	40.0	40.0		
3,6 - 3,6							4	4.0	64.1	21.0		53.2	61.8		50.2	40.0	38.0		
							8	4.9	59.4	21.0		47.2	57.0		44.2	40.0	31.9		
							10	5.5	57.8	21.0		45.2	55.5		42.2	40.0	30.0		
							16	6.9	54.6	20.0		41.2	52.2		38.2	40.0	25.9		
i	Informational measurement only, no limit available						20	7.7	53.1	19.5		39.2	50.7		36.2	40.0	24.0		
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	8.6	51.5	19.0		37.3	49.1		34.3	40.0	22.0		
	If Insertion Loss < 4 dB, not evaluated against the test limit						31.25	9.7	50.0	18.5		35.3	47.5		32.3	40.0	i		
							62.5	13.8	45.1	16.0		29.3	42.7		26.3	40.0	i		
							100	17.6	41.8	14.0		25.2	39.3		22.2	40.0	i		
							200	25.4	36.9	11.0		19.2	34.3		16.2	34.4	i		
							250	28.6	35.3	10.0		17.3	32.7		14.3	32.4	i		
							350	34.3	32.6	8.6		14.4	29.9		11.4	29.5	i		
							450	39.3	30.2	8.0		12.2	27.4		9.2	27.3	i		
							500	41.6	29.2	8.0		11.3	26.4		8.3	26.4	i		

Rollover Cat 6A Channel

Wire Map	Resistance	Resistance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 7,8	i			100	555	50	1	3.0	65.0	19.0	62.0	63.3	62.0	59.0	60.3				
3,6 - 3,6							4	4.2	63.0	19.0	58.9	51.2	60.5	56.4	48.2				
4,5 - 4,5							8	5.8	58.2	19.0	52.4	45.2	55.6	49.8	42.2				
7,8 - 1,2							10	6.5	56.6	19.0	50.1	43.3	54.0	47.5	40.3				
							16	8.2	53.2	18.0	45.0	39.2	50.6	42.4	36.2				
i	Informational measurement only, no limit available						20	9.2	51.6	17.5	42.5	37.2	49.0	39.8	34.2				
	10% length rule - will fail when length > 110 m						25	10.2	50.0	17.0	39.8	35.3	47.3	37.1	32.3				
	Not evaluated against the test limit						31.25	11.5	48.4	16.5	36.9	33.4	45.7	34.2	30.4				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	16.4	43.4	14.0	27.0	27.3	40.6	24.2	24.3				
	If FEXT is < 70 dB, not evaluated against the test limit						100	20.9	39.9	12.0	19.0	23.3	37.1	16.2	20.3				
							200	30.1	34.8	9.0	4.7	17.2	31.9	1.8	14.2				
							250	33.9	33.1	8.0	-0.8	15.3	30.2	-3.7	12.3				
							350	40.6	30.3	6.6	-10.3	12.4	27.3	-13.3	9.4				
							450	46.5	27.3	6.0	-19.2	10.2	24.4	-22.1	7.2				
							500	49.3	26.1	6.0	-23.2	9.3	23.2	-26.1	6.3				

Rollover Cat 6 Channel

Wire Map	Resistance	Resistance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 7,8	i			100	555	50	1	3.0	65.0	19.0	62.0	63.3	62.0	59.0	60.3				
3,6 - 3,6							4	4.0	63.0	19.0	59.0	51.2	60.5	56.5	48.2				
4,5 - 4,5							8	5.7	58.2	19.0	52.5	45.2	55.6	49.9	42.2				
7,8 - 1,2							10	6.3	56.6	19.0	50.2	43.3	54.0	47.7	40.3				
							16	8.0	53.2	18.0	45.2	39.2	50.6	42.6	36.2				
i	Informational measurement only, no limit available						20	9.0	51.6	17.5	42.6	37.2	49.0	39.9	34.2				
	10% length rule - will fail when length > 110 m						25	10.1	50.0	17.0	39.9	35.3	47.3	37.2	32.3				
	Not evaluated against the test limit						31.25	11.4	48.4	16.5	37.0	33.4	45.7	34.3	30.4				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	16.5	43.4	14.0	26.9	27.3	40.6	24.1	24.3				
	If FEXT is < 70 dB, not evaluated against the test limit						100	21.3	39.9	12.0	18.6	23.3	37.1	15.8	20.3				
							200	31.5	34.8	9.0	3.3	17.2	31.9	0.3	14.2				
							250	35.9	33.1	8.0	-2.8	15.3	30.2	-5.8	12.3				
							350	i	i	i	i	i	i	i	i				

Rollover Cat 5e Channel

Wire Map	Resistance	Resistance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 7,8	i			100	555	50	1	3.0	60.0	17.0	57.0	57.4	57.0	54.0	54.4				
3,6 - 3,6							4	4.5	53.5	17.0	49.1	45.4	50.5	46.1	42.4				
4,5 - 4,5							8	6.3	48.6	17.0	42.3	39.3	45.6	39.3	36.3				
7,8 - 1,2							10	7.1	47.0	17.0	39.9	37.4	44.0	36.9	34.4				
							16	9.1	43.6	17.0	34.5	33.3	40.6	31.5	30.3				
i	Informational measurement only, no limit available						20	10.2	42.0	17.0	31.8	31.4	39.0	28.8	28.4				
	10% length rule - will fail when length > 110 m						25	11.4	40.3	16.0	28.9	29.4	37.3	25.9	26.4				
	Not evaluated against the test limit						31.25	12.9	38.7	15.1	25.9	27.5	35.7	22.9	24.5				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	18.6	33.6	12.1	15.0	21.5	30.6	12.0	18.5				
	If FEXT is < 70 dB, not evaluated against the test limit						100	24.0	30.1	10.0	6.1	17.4	27.1	3.1	14.4				
							200	i	i	i	i	i	i	i	i				
							250	i	i	i	i	i	i	i	i				
							350	i	i	i	i	i	i	i	i				

Rollover Cat 5 Channel

Wire Map	Resistance	Resistance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 7,8	i			100	555	50	1	3.0	60.0	15.0	57.0	57.0			54.4				
3,6 - 3,6							4	4.5	50.6	15.0	46.1	45.0			42.4				
4,5 - 4,5							8	6.3	45.6	15.0	39.3	38.9			36.3				
7,8 - 1,2							10	7.1	44.0	15.0	36.9	37.0			34.4				
							16	9.1	40.6	15.0	31.6	32.9			30.3				
i	Informational measurement only, no limit available						20	10.2	39.0	15.0	28.8	31.0			28.4				
	10% length rule - will fail when length > 110 m						25	11.4	37.4	14.0	26.0	29.0			26.4				
	Not evaluated against the test limit						31.25	12.9	35.7	13.1	22.9	27.1			24.5				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	18.6	30.6	10.1	12.0	21.1			18.5				
	If FEXT is < 70 dB, not evaluated against the test limit						100	24.0	27.1	8.0	3.1	17.0			14.4				
							200	i	i	i	i	i			i				
							250	i	i	i	i	i			i				
							350	i	i	i	i	i			i				

Rollover Channel Class Ea

Wire Map	Resistance	Resistance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 7,8	25			100	555	50	1	4.0	65.0	19.0	61.0	63.3	62.0	58.0	60.3				
3,6 - 3,6							4	4.2	63.0	19.0	58.9	51.2	60.5	56.4	48.2				
4,5 - 4,5							8	5.8	58.2	19.0	52.4	45.2	55.6	49.8	42.2				
7,8 - 1,2							10	6.5	56.6	19.0	50.1	43.3	54.0	47.5	40.3				
							16	8.2	53.2	18.0	45.0	39.2	50.6	42.4	36.2				
							20	9.2	51.6	17.5	42.5	37.2	49.0	39.8	34.2				
	Not evaluated against the test limit						25	10.2	50.0	17.0	39.8	35.3	47.3	37.1	32.3				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	11.5	48.4	16.5	36.9	33.4	45.7	34.2	30.4				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	16.4	43.4	14.0	27.0	27.3	40.6	24.2	24.3				
	If FEXT is < 70 dB, not evaluated against the test limit						100	20.9	39.9	12.0	19.0	23.3	37.1	16.2	20.3				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	30.1	34.8	9.0	4.7	17.2	31.9	1.8	14.2				
	If Insertion Loss @ 450 MHz is < 12 dB, then:						250	33.9	33.1	8.0	-0.8	15.3	30.2	-3.7	12.3				
							350	40.6	30.6	6.6	-10.0	12.4	27.6	-13.0	9.4				
							450	46.5	28.7	6.0	-17.9	10.2	25.7	-20.9	7.2				
							500	49.3	27.9	6.0	-21.4	9.3	24.8	-24.5	6.3				

Freq.	NEXT	PS NEXT
450	28.7	25.7
500	26.5	23.4

Rollover Channel Class E

Wire Map	Resistance	Resistance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 7,8	25			100	555	50	1	4.0	65.0	19.0	61.0	63.3	62.0	58.0	60.3				
3,6 - 3,6							4	4.2	63.0	19.0	58.9	51.2	60.5	56.4	48.2				
4,5 - 4,5							8	5.9	58.2	19.0	52.3	45.2	55.6	49.7	42.2				
7,8 - 1,2							10	6.6	56.6	19.0	50.0	43.3	54.0	47.4	40.3				
							16	8.3	53.2	18.0	44.9	39.2	50.6	42.3	36.2				
i	Informational measurement only, no limit available						20	9.3	51.6	17.5	42.3	37.2	49.0	39.7	34.2				
	Not evaluated against the test limit						25	10.5	50.0	17.0	39.6	35.3	47.3	36.9	32.3				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	11.7	48.4	16.5	36.7	33.4	45.7	34.0	30.4				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	16.9	43.4	14.0	26.5	27.3	40.6	23.7	24.3				
	If FEXT is < 70 dB, not evaluated against the test limit						100	21.7	39.9	12.0	18.2	23.3	37.1	15.4	20.3				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	31.7	34.8	9.0	3.1	17.2	31.9	0.1	14.2				
							250	35.9	33.1	8.0	-2.8	15.3	30.2	-5.8	12.3				
							350	i	i	i	i	i	i	i	i				

Rollover Channel Class D

Wire Map	Resistance	Resistance		Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 7,8	25			100	555	50	1	4.0	60.0	17.0	56.0	57.4	57.0	53.0	54.4				
3,6 - 3,6							4	4.5	53.5	17.0	49.0	45.4	50.5	46.0	42.4				
4,5 - 4,5							8	6.4	48.6	17.0	42.2	39.3	45.6	39.2	36.3				
7,8 - 1,2							10	7.2	47.0	17.0	39.8	37.4	44.0	36.8	34.4				
							16	9.1	43.6	17.0	34.5	33.3	40.6	31.5	30.3				
i	Informational measurement only, no limit available						20	10.2	42.0	17.0	31.8	31.4	39.0	28.8	28.4				
	Not evaluated against the test limit						25	11.5	40.3	16.0	28.9	29.4	37.3	25.9	26.4				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	12.9	38.7	15.1	25.8	27.5	35.7	22.8	24.5				
	If Insertion Loss < 4 dB, not evaluated against the test limit						62.5	18.6	33.6	12.0	15.0	21.5	30.6	12.0	18.5				
	If FEXT is < 70 dB, not evaluated against the test limit						100	24.0	30.1	10.0	6.1	17.4	27.1	3.1	14.4				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	i	i	i	i	i	i	i	i				
							250	i	i	i	i	i	i	i	i				
							350	i	i	i	i	i	i	i	i				

Copper Limit Lines - Other

TIA C6A Cable 100m (LA)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	19	None	None	100	545.4	45	1	2.1	74.3	20.0		67.8	72.3		64.8				
3,6 - 3,6							4	3.8	65.3	23.0		55.8	63.3		52.8				
4,5 - 4,5							8	5.3	60.8	24.5		49.7	58.8		46.7				
7,8 - 7,8							10	5.9	59.3	25.0		47.8	57.3		44.8				
							16	7.5	56.2	25.0		43.7	54.2		40.7				
							20	8.4	54.8	25.0		41.8	52.8		38.8				
	10% length rule - will fail when length > 110 m						25	9.4	53.3	24.3		39.8	51.3		36.8				
	Not evaluated against the test limit						31.25	10.5	51.9	23.6		37.9	49.9		34.9				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	15.0	47.4	21.5		31.9	45.4		28.9				
	If FEXT is < 70 dB, not evaluated against the test limit						100	19.1	44.3	20.1		27.8	42.3		24.8				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	27.6	39.8	18.0		21.8	37.8		18.8				
							250	31.1	38.3	17.3		19.8	36.3		16.8				
							350	37.2	36.1	16.3		16.9	34.1		13.9				
							450	42.7	34.5	15.5		14.7	32.5		11.7				
							500	45.3	33.8	15.2		13.8	31.8		10.8				

TIA C6A Cable 100m (LA) (+All)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	19	i	i	100	545.4	45	1	2.1	74.3	20.0		67.8	72.3		64.8	50	35		
3,6 - 3,6							4	3.8	65.3	23.0		55.8	63.3		52.8	44	23		
4,5 - 4,5							8	5.3	60.8	24.5		49.7	58.8		46.7	41	16.9		
7,8 - 7,8							10	5.9	59.3	25.0		47.8	57.3		44.8	40	15		
							16	7.5	56.2	25.0		43.7	54.2		40.7	38	10.9		
							20	8.4	54.8	25.0		41.8	52.8		38.8	37	9		
	10% length rule - will fail when length > 110 m						25	9.4	53.3	24.3		39.8	51.3		36.8	36	7		
	Not evaluated against the test limit						31.25	10.5	51.9	23.6		37.9	49.9		34.9	35.1	i		
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	15.0	47.4	21.5		31.9	45.4		28.9	32	i		
	If FEXT is < 70 dB, not evaluated against the test limit						100	19.1	44.3	20.1		27.8	42.3		24.8	30	i		
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	27.6	39.8	18.0		21.8	37.8		18.8	27	i		
							250	31.1	38.3	17.3		19.8	36.3		16.8	26	i		
							350	37.2	36.1	16.3		16.9	34.1		13.9	24.6	i		
							450	42.7	34.5	15.5		14.7	32.5		11.7	23.5	i		
							500	45.3	33.8	15.2		13.8	31.8		10.8	23	i		

TIA C6A Cable 100m (LA) (+PoE)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	19	i	i	100	545.4	45	1	2.1	74.3	20.0		67.8	72.3		64.8				
3,6 - 3,6							4	3.8	65.3	23.0		55.8	63.3		52.8				
4,5 - 4,5							8	5.3	60.8	24.5		49.7	58.8		46.7				
7,8 - 7,8							10	5.9	59.3	25.0		47.8	57.3		44.8				
							16	7.5	56.2	25.0		43.7	54.2		40.7				
							20	8.4	54.8	25.0		41.8	52.8		38.8				
	10% length rule - will fail when length > 110 m						25	9.4	53.3	24.3		39.8	51.3		36.8				
	Not evaluated against the test limit						31.25	10.5	51.9	23.6		37.9	49.9		34.9				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	15.0	47.4	21.5		31.9	45.4		28.9				
	If FEXT is < 70 dB, not evaluated against the test limit						100	19.1	44.3	20.1		27.8	42.3		24.8				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	27.6	39.8	18.0		21.8	37.8		18.8				
							250	31.1	38.3	17.3		19.8	36.3		16.8				
							350	37.2	36.1	16.3		16.9	34.1		13.9				
							450	42.7	34.5	15.5		14.7	32.5		11.7				
							500	45.3	33.8	15.2		13.8	31.8		10.8				

TIA C6A PCable 100m (LA)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	22.8	None	None	100	545.4	45	1	2.5	74.3	20.0		67.8	72.3		64.8				
3,6 - 3,6							4	4.6	65.3	23.0		55.8	63.3		52.8				
4,5 - 4,5							8	6.4	60.8	24.5		49.7	58.8		46.7				
7,8 - 7,8							10	7.1	59.3	25.0		47.8	57.3		44.8				
							16	9.0	56.2	25.0		43.7	54.2		40.7				
							20	10.1	54.8	25.0		41.8	52.8		38.8				
	10% length rule - will fail when length > 110 m						25	11.3	53.3	24.2		39.8	51.3		36.8				
	Not evaluated against the test limit						31.25	12.6	51.9	23.3		37.9	49.9		34.9				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	18.0	47.4	20.7		31.9	45.4		28.9				
	If FEXT is < 70 dB, not evaluated against the test limit						100	23.0	44.3	19.0		27.8	42.3		24.8				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	33.1	39.8	16.4		21.8	37.8		18.8				
							250	37.3	38.3	15.6		19.8	36.3		16.8				
							350	44.7	36.1	14.3		16.9	34.1		13.9				
							450	51.3	34.5	13.4		14.7	32.5		11.7				
							500	54.3	33.8	13.0		13.8	31.8		10.8				

TIA C6A PCable 100m (LA) (+All)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	22.8	i	i	100	545.4	45	1	2.5	74.3	20.0		67.8	72.3		64.8	50	35		
3,6 - 3,6							4	4.6	65.3	23.0		55.8	63.3		52.8	44	23		
4,5 - 4,5							8	6.4	60.8	24.5		49.7	58.8		46.7	41	16.9		
7,8 - 7,8							10	7.1	59.3	25.0		47.8	57.3		44.8	40	15		
							16	9.0	56.2	25.0		43.7	54.2		40.7	38	10.9		
							20	10.1	54.8	25.0		41.8	52.8		38.8	37	9		
	10% length rule - will fail when length > 110 m						25	11.3	53.3	24.2		39.8	51.3		36.8	36	7		
	Not evaluated against the test limit						31.25	12.6	51.9	23.3		37.9	49.9		34.9	35.1	i		
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	18.0	47.4	20.7		31.9	45.4		28.9	32	i		
	If FEXT is < 70 dB, not evaluated against the test limit						100	23.0	44.3	19.0		27.8	42.3		24.8	30	i		
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	33.1	39.8	16.4		21.8	37.8		18.8	27	i		
							250	37.3	38.3	15.6		19.8	36.3		16.8	26	i		
							350	44.7	36.1	14.3		16.9	34.1		13.9	24.6	i		
							450	51.3	34.5	13.4		14.7	32.5		11.7	23.5	i		
							500	54.3	33.8	13.0		13.8	31.8		10.8	23	i		

TIA C6A PCable 100m (LA) (+PoE)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	22.8	i	i	100	545.4	45	1	2.5	74.3	20.0		67.8	72.3		64.8				
3,6 - 3,6							4	4.6	65.3	23.0		55.8	63.3		52.8				
4,5 - 4,5							8	6.4	60.8	24.5		49.7	58.8		46.7				
7,8 - 7,8							10	7.1	59.3	25.0		47.8	57.3		44.8				
							16	9.0	56.2	25.0		43.7	54.2		40.7				
							20	10.1	54.8	25.0		41.8	52.8		38.8				
	10% length rule - will fail when length > 110 m						25	11.3	53.3	24.2		39.8	51.3		36.8				
	Not evaluated against the test limit						31.25	12.6	51.9	23.3		37.9	49.9		34.9				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	18.0	47.4	20.7		31.9	45.4		28.9				
	If FEXT is < 70 dB, not evaluated against the test limit						100	23.0	44.3	19.0		27.8	42.3		24.8				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	33.1	39.8	16.4		21.8	37.8		18.8				
							250	37.3	38.3	15.6		19.8	36.3		16.8				
							350	44.7	36.1	14.3		16.9	34.1		13.9				
							450	51.3	34.5	13.4		14.7	32.5		11.7				
							500	54.3	33.8	13.0		13.8	31.8		10.8				

TIA C6 Cable 100m (LA)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	None	None	100	555	50	1	2.0	74.3	20.0		67.8	72.3		64.8				
3,6 - 3,6							4	3.8	65.3	23.0		55.8	63.3		52.8				
4,5 - 4,5							8	5.3	60.8	24.5		49.7	58.8		46.7				
7,8 - 7,8							10	6.0	59.3	25.0		47.8	57.3		44.8				
							16	7.6	56.2	25.0		43.7	54.2		40.7				
i	Informational measurement only, no limit available						20	8.5	54.8	25.0		41.8	52.8		38.8				
	10% length rule - will fail when length > 110 m						25	9.5	53.3	24.3		39.8	51.3		36.8				
	Not evaluated against the test limit						31.25	10.7	51.9	23.6		37.9	49.9		34.9				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	15.4	47.4	21.5		31.9	45.4		28.9				
	If FEXT is < 70 dB, not evaluated against the test limit						100	19.8	44.3	20.1		27.8	42.3		24.8				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	29.0	39.8	18.0		21.8	37.8		18.8				
							250	32.8	38.3	17.3		19.8	36.3		16.8				
							350	i	i	i		i	i		i				

TIA C6 Cable 100m (LA) (+All)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	i	i	100	555	50	1	2.0	74.3	20.0		67.8	72.3		64.8	50	35		
3,6 - 3,6							4	3.8	65.3	23.0		55.8	63.3		52.8	44	23		
4,5 - 4,5							8	5.3	60.8	24.5		49.7	58.8		46.7	41	16.9		
7,8 - 7,8							10	6.0	59.3	25.0		47.8	57.3		44.8	40	15		
							16	7.6	56.2	25.0		43.7	54.2		40.7	38	10.9		
i	Informational measurement only, no limit available						20	8.5	54.8	25.0		41.8	52.8		38.8	37	9		
	10% length rule - will fail when length > 110 m						25	9.5	53.3	24.3		39.8	51.3		36.8	36	7		
	Not evaluated against the test limit						31.25	10.7	51.9	23.6		37.9	49.9		34.9	35.1	i		
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	15.4	47.4	21.5		31.9	45.4		28.9	32	i		
	If FEXT is < 70 dB, not evaluated against the test limit						100	19.8	44.3	20.1		27.8	42.3		24.8	30	i		
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	29.0	39.8	18.0		21.8	37.8		18.8	27	i		
							250	32.8	38.3	17.3		19.8	36.3		16.8	26	i		
							350	i	i	i		i	i		i	i	i		

TIA C6 Cable 100m (LA) (+PoE)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	i	i	100	555	50	1	2.0	74.3	20.0		67.8	72.3		64.8				
3,6 - 3,6							4	3.8	65.3	23.0		55.8	63.3		52.8				
4,5 - 4,5							8	5.3	60.8	24.5		49.7	58.8		46.7				
7,8 - 7,8							10	6.0	59.3	25.0		47.8	57.3		44.8				
							16	7.6	56.2	25.0		43.7	54.2		40.7				
i	Informational measurement only, no limit available						20	8.5	54.8	25.0		41.8	52.8		38.8				
	10% length rule - will fail when length > 110 m						25	9.5	53.3	24.3		39.8	51.3		36.8				
	Not evaluated against the test limit						31.25	10.7	51.9	23.6		37.9	49.9		34.9				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	15.4	47.4	21.5		31.9	45.4		28.9				
	If FEXT is < 70 dB, not evaluated against the test limit						100	19.8	44.3	20.1		27.8	42.3		24.8				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	29.0	39.8	18.0		21.8	37.8		18.8				
							250	32.8	38.3	17.3		19.8	36.3		16.8				
							350	i	i	i		i	i		i				

TIA C6 PCable 100m (LA)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	None	None	100	555	50	1	2.4	74.3	20.0		67.8	72.3		64.8				
3,6 - 3,6							4	4.5	65.3	23.0		55.8	63.3		52.8				
4,5 - 4,5							8	6.4	60.8	24.5		49.7	58.8		46.7				
7,8 - 7,8							10	7.1	59.3	25.0		47.8	57.3		44.8				
							16	9.1	56.2	25.0		43.7	54.2		40.7				
i	Informational measurement only, no limit available						20	10.2	54.8	25.0		41.8	52.8		38.8				
	10% length rule - will fail when length > 110 m						25	11.4	53.3	24.2		39.8	51.3		36.8				
	Not evaluated against the test limit						31.25	12.8	51.9	23.3		37.9	49.9		34.9				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	18.5	47.4	20.7		31.9	45.4		28.9				
	If FEXT is < 70 dB, not evaluated against the test limit						100	23.8	44.3	19.0		27.8	42.3		24.8				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	34.8	39.8	16.4		21.8	37.8		18.8				
							250	39.4	38.3	15.6		19.8	36.3		16.8				
							350	i	i	i		i	i		i				

TIA C6 PCable 100m (LA) (+All)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	i	i	100	555	50	1	2.4	74.3	20.0		67.8	72.3		64.8	50	35		
3,6 - 3,6							4	4.5	65.3	23.0		55.8	63.3		52.8	44	23		
4,5 - 4,5							8	6.4	60.8	24.5		49.7	58.8		46.7	41	16.9		
7,8 - 7,8							10	7.1	59.3	25.0		47.8	57.3		44.8	40	15		
							16	9.1	56.2	25.0		43.7	54.2		40.7	38	10.9		
i	Informational measurement only, no limit available						20	10.2	54.8	25.0		41.8	52.8		38.8	37	9		
	10% length rule - will fail when length > 110 m						25	11.4	53.3	24.2		39.8	51.3		36.8	36	7		
	Not evaluated against the test limit						31.25	12.8	51.9	23.3		37.9	49.9		34.9	35.1	i		
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	18.5	47.4	20.7		31.9	45.4		28.9	32	i		
	If FEXT is < 70 dB, not evaluated against the test limit						100	23.8	44.3	19.0		27.8	42.3		24.8	30	i		
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	34.8	39.8	16.4		21.8	37.8		18.8	27	i		
							250	39.4	38.3	15.6		19.8	36.3		16.8	26	i		
							350	i	i	i		i	i		i	i	i		

TIA C6 PCable 100m (LA) (+PoE)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	i	i	100	555	50	1	2.4	74.3	20.0		67.8	72.3		64.8				
3,6 - 3,6							4	4.5	65.3	23.0		55.8	63.3		52.8				
4,5 - 4,5							8	6.4	60.8	24.5		49.7	58.8		46.7				
7,8 - 7,8							10	7.1	59.3	25.0		47.8	57.3		44.8				
							16	9.1	56.2	25.0		43.7	54.2		40.7				
i	Informational measurement only, no limit available						20	10.2	54.8	25.0		41.8	52.8		38.8				
	10% length rule - will fail when length > 110 m						25	11.4	53.3	24.2		39.8	51.3		36.8				
	Not evaluated against the test limit						31.25	12.8	51.9	23.3		37.9	49.9		34.9				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	18.5	47.4	20.7		31.9	45.4		28.9				
	If FEXT is < 70 dB, not evaluated against the test limit						100	23.8	44.3	19.0		27.8	42.3		24.8				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	34.8	39.8	16.4		21.8	37.8		18.8				
							250	39.4	38.3	15.6		19.8	36.3		16.8				
							350	i	i	i		i	i		i				

TIA C5e Cable 100m (LA)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	None	None	100	555	50	1	2.0	65.3	20.0		63.8	62.3		60.8				
3,6 - 3,6							4	4.1	56.3	23.0		51.8	53.3		48.8				
4,5 - 4,5							8	5.8	51.8	24.5		45.7	48.8		42.7				
7,8 - 7,8							10	6.5	50.3	25.0		43.8	47.3		40.8				
							16	8.2	47.2	25.0		39.7	44.2		36.7				
i	Informational measurement only, no limit available						20	9.3	45.8	25.0		37.8	42.8		34.8				
	10% length rule - will fail when length > 110 m						25	10.4	44.3	24.3		35.8	41.3		32.8				
	Not evaluated against the test limit						31.25	11.7	42.9	23.6		33.9	39.9		30.9				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	17.0	38.4	21.5		27.9	35.4		24.9				
	If FEXT is < 70 dB, not evaluated against the test limit						100	22.0	35.3	20.1		23.8	32.3		20.8				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	i	i	i		i	i		i				
							250	i	i	i		i	i		i				
							350	i	i	i		i	i		i				

TIA C5e Cable 100m (LA) (+All)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	i	i	100	555	50	1	2.0	65.3	20.0		63.8	62.3		60.8				
3,6 - 3,6							4	4.1	56.3	23.0		51.8	53.3		48.8				
4,5 - 4,5							8	5.8	51.8	24.5		45.7	48.8		42.7				
7,8 - 7,8							10	6.5	50.3	25.0		43.8	47.3		40.8				
							16	8.2	47.2	25.0		39.7	44.2		36.7				
i	Informational measurement only, no limit available						20	9.3	45.8	25.0		37.8	42.8		34.8				
	10% length rule - will fail when length > 110 m						25	10.4	44.3	24.3		35.8	41.3		32.8				
	Not evaluated against the test limit						31.25	11.7	42.9	23.6		33.9	39.9		30.9				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	17.0	38.4	21.5		27.9	35.4		24.9				
	If FEXT is < 70 dB, not evaluated against the test limit						100	22.0	35.3	20.1		23.8	32.3		20.8				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	i	i	i		i	i		i				
							250	i	i	i		i	i		i				
							350	i	i	i		i	i		i				

TIA C5e Cable 100m (LA) (+PoE)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	i	i	100	555	50	1	2.0	65.3	20.0		63.8	62.3		60.8				
3,6 - 3,6							4	4.1	56.3	23.0		51.8	53.3		48.8				
4,5 - 4,5							8	5.8	51.8	24.5		45.7	48.8		42.7				
7,8 - 7,8							10	6.5	50.3	25.0		43.8	47.3		40.8				
							16	8.2	47.2	25.0		39.7	44.2		36.7				
i	Informational measurement only, no limit available						20	9.3	45.8	25.0		37.8	42.8		34.8				
	10% length rule - will fail when length > 110 m						25	10.4	44.3	24.3		35.8	41.3		32.8				
	Not evaluated against the test limit						31.25	11.7	42.9	23.6		33.9	39.9		30.9				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	17.0	38.4	21.5		27.9	35.4		24.9				
	If FEXT is < 70 dB, not evaluated against the test limit						100	22.0	35.3	20.1		23.8	32.3		20.8				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	i	i	i		i	i		i				
							250	i	i	i		i	i		i				
							350	i	i	i		i	i		i				

TIA C5e PCable 100m (LA)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	None	None	100	555	50	1	2.4	65.3	20.0		63.8	62.3		60.8				
3,6 - 3,6							4	4.9	56.3	23.0		51.8	53.3		48.8				
4,5 - 4,5							8	6.9	51.8	24.5		45.7	48.8		42.7				
7,8 - 7,8							10	7.8	50.3	25.0		43.8	47.3		40.8				
							16	9.9	47.2	25.0		39.7	44.2		36.7				
i	Informational measurement only, no limit available						20	11.1	45.8	25.0		37.8	42.8		34.8				
	10% length rule - will fail when length > 110 m						25	12.5	44.3	24.2		35.8	41.3		32.8				
	Not evaluated against the test limit						31.25	14.1	42.9	23.3		33.9	39.9		30.9				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	20.4	38.4	20.7		27.9	35.4		24.9				
	If FEXT is < 70 dB, not evaluated against the test limit						100	26.4	35.3	19.0		23.8	32.3		20.8				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	i	i	i		i	i		i				
							250	i	i	i		i	i		i				
							350	i	i	i		i	i		i				

TIA C5e PCable 100m (LA) (+All)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	i	i	100	555	50	1	2.4	65.3	20.0		63.8	62.3		60.8				
3,6 - 3,6							4	4.9	56.3	23.0		51.8	53.3		48.8				
4,5 - 4,5							8	6.9	51.8	24.5		45.7	48.8		42.7				
7,8 - 7,8							10	7.8	50.3	25.0		43.8	47.3		40.8				
							16	9.9	47.2	25.0		39.7	44.2		36.7				
i	Informational measurement only, no limit available						20	11.1	45.8	25.0		37.8	42.8		34.8				
	10% length rule - will fail when length > 110 m						25	12.5	44.3	24.2		35.8	41.3		32.8				
	Not evaluated against the test limit						31.25	14.1	42.9	23.3		33.9	39.9		30.9				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	20.4	38.4	20.7		27.9	35.4		24.9				
	If FEXT is < 70 dB, not evaluated against the test limit						100	26.4	35.3	19.0		23.8	32.3		20.8				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	i	i	i		i	i		i				
							250	i	i	i		i	i		i				
							350	i	i	i		i	i		i				

TIA C5e PCable 100m (LA) (+PoE)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	i	i	100	555	50	1	2.4	65.3	20.0		63.8	62.3		60.8				
3,6 - 3,6							4	4.9	56.3	23.0		51.8	53.3		48.8				
4,5 - 4,5							8	6.9	51.8	24.5		45.7	48.8		42.7				
7,8 - 7,8							10	7.8	50.3	25.0		43.8	47.3		40.8				
							16	9.9	47.2	25.0		39.7	44.2		36.7				
i	Informational measurement only, no limit available						20	11.1	45.8	25.0		37.8	42.8		34.8				
	10% length rule - will fail when length > 110 m						25	12.5	44.3	24.2		35.8	41.3		32.8				
	Not evaluated against the test limit						31.25	14.1	42.9	23.3		33.9	39.9		30.9				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	20.4	38.4	20.7		27.9	35.4		24.9				
	If FEXT is < 70 dB, not evaluated against the test limit						100	26.4	35.3	19.0		23.8	32.3		20.8				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	i	i	i		i	i		i				
							250	i	i	i		i	i		i				
							350	i	i	i		i	i		i				

ISO C7A Cable 100m (LA)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	19	i	i	100	545.4	25	1	2.1	80.0	20.0		80.0	77.0		77.0				
3,6 - 3,6							4	3.7	80.0	23.0		80.0	77.0		77.0				
4,5 - 4,5							8	5.2	80.0	24.5		77.2	77.0		74.2				
7,8 - 7,8							10	5.8	80.0	25.0		75.3	77.0		72.3				
							16	7.3	80.0	25.0		71.2	77.0		68.2				
i	Informational measurement only, no limit available						20	8.2	80.0	25.0		69.3	77.0		66.3				
	10% length rule - will fail when length > 110 m						25	9.2	80.0	24.3		67.3	77.0		64.3				
	Not evaluated against the test limit						31.25	10.3	80.0	23.6		65.4	77.0		62.4				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	14.6	78.5	21.5		59.4	75.5		56.4				
	If FEXT is < 70 dB, not evaluated against the test limit						100	18.5	75.4	20.1		55.3	72.4		52.3				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	26.5	70.9	18.0		49.3	67.9		46.3				
							250	29.7	69.4	17.3		47.3	66.4		44.3				
							350	35.4	67.2	17.3		44.4	64.2		41.4				
							450	40.4	65.6	17.3		42.2	62.6		39.2				
							500	42.8	64.9	17.3		41.3	61.9		38.3				
							600	47.1	63.7	17.3		39.7	60.7		36.7				
							700	51.1	62.7	14.2		38.4	59.7		35.4				
							800	54.9	61.9	13.8		37.2	58.9		34.2				
							900	58.5	61.1	13.4		36.2	58.1		33.2				
							1000	61.9	60.4	13.1		35.3	57.4		32.3				

ISO C7A Cable 100m (LA) (+All)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	19	i	i	100	545.4	25	1	2.1	80.0	20.0		80.0	77.0		77.0	40	35		
3,6 - 3,6							4	3.7	80.0	23.0		80.0	77.0		77.0	34	23		
4,5 - 4,5							8	5.2	80.0	24.5		77.2	77.0		74.2	31	16.9		
7,8 - 7,8							10	5.8	80.0	25.0		75.3	77.0		72.3	30	15		
							16	7.3	80.0	25.0		71.2	77.0		68.2	28	10.9		
i	Informational measurement only, no limit available						20	8.2	80.0	25.0		69.3	77.0		66.3	27	9		
	10% length rule - will fail when length > 110 m						25	9.2	80.0	24.3		67.3	77.0		64.3	26	7		
	Not evaluated against the test limit						31.25	10.3	80.0	23.6		65.4	77.0		62.4	25.1	i		
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	14.6	78.5	21.5		59.4	75.5		56.4	22	i		
	If FEXT is < 70 dB, not evaluated against the test limit						100	18.5	75.4	20.1		55.3	72.4		52.3	20	i		
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	26.5	70.9	18.0		49.3	67.9		46.3	17	i		
i if shielded	Informational measurement only if using shielded cable						250	29.7	69.4	17.3		47.3	66.4		44.3	16	i		
							350	35.4	67.2	17.3		44.4	64.2		41.4	14.6	i		
							450	40.4	65.6	17.3		42.2	62.6		39.2	13.5	i		
							500	42.8	64.9	17.3		41.3	61.9		38.3	13	i		
							600	47.1	63.7	17.3		39.7	60.7		36.7	12.2	i		
							700	51.1	62.7	14.2		38.4	59.7		35.4	11.5	i		
							800	54.9	61.9	13.8		37.2	58.9		34.2	11	i		
							900	58.5	61.1	13.4		36.2	58.1		33.2	10.5	i		
							1000	61.9	60.4	13.1		35.3	57.4		32.3	10	i		

ISO C7A Cable 100m (LA) (+PoE)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	19	i	i	100	545.4	25	1	2.1	80.0	20.0		80.0	77.0		77.0				
3,6 - 3,6							4	3.7	80.0	23.0		80.0	77.0		77.0				
4,5 - 4,5							8	5.2	80.0	24.5		77.2	77.0		74.2				
7,8 - 7,8							10	5.8	80.0	25.0		75.3	77.0		72.3				
							16	7.3	80.0	25.0		71.2	77.0		68.2				
i	Informational measurement only, no limit available						20	8.2	80.0	25.0		69.3	77.0		66.3				
	10% length rule - will fail when length > 110 m						25	9.2	80.0	24.3		67.3	77.0		64.3				
	Not evaluated against the test limit						31.25	10.3	80.0	23.6		65.4	77.0		62.4				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	14.6	78.5	21.5		59.4	75.5		56.4				
	If FEXT is < 70 dB, not evaluated against the test limit						100	18.5	75.4	20.1		55.3	72.4		52.3				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	26.5	70.9	18.0		49.3	67.9		46.3				
							250	29.7	69.4	17.3		47.3	66.4		44.3				
							350	35.4	67.2	17.3		44.4	64.2		41.4				
							450	40.4	65.6	17.3		42.2	62.6		39.2				
							500	42.8	64.9	17.3		41.3	61.9		38.3				
							600	47.1	63.7	17.3		39.7	60.7		36.7				
							700	51.1	62.7	14.2		38.4	59.7		35.4				
							800	54.9	61.9	13.8		37.2	58.9		34.2				
							900	58.5	61.1	13.4		36.2	58.1		33.2				
							1000	61.9	60.4	13.1		35.3	57.4		32.3				

ISO C7A PCable 100m (LA)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	19	None	None	100	545.4	25	1	3.0	80.0	20.0		80.0	77.0		77.0				
3,6 - 3,6							4	5.6	80.0	23.0		80.0	77.0		77.0				
4,5 - 4,5							8	7.8	80.0	24.5		77.2	77.0		74.2				
7,8 - 7,8							10	8.7	80.0	25.0		75.3	77.0		72.3				
							16	11.0	80.0	25.0		71.2	77.0		68.2				
i	Informational measurement only, no limit available						20	12.3	80.0	25.0		69.3	77.0		66.3				
	10% length rule - will fail when length > 110 m						25	13.7	80.0	24.2		67.3	77.0		64.3				
	Not evaluated against the test limit						31.25	15.4	80.0	23.3		65.4	77.0		62.4				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	21.9	78.5	20.7		59.4	75.5		56.4				
	If FEXT is < 70 dB, not evaluated against the test limit						100	27.8	75.4	19.0		55.3	72.4		52.3				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	39.7	70.9	16.4		49.3	67.9		46.3				
							250	44.6	69.4	15.6		47.3	66.4		44.3				
							350	53.2	67.2	15.6		44.4	64.2		41.4				
							450	60.7	65.6	15.6		42.2	62.6		39.2				
							500	64.1	64.9	15.6		41.3	61.9		38.3				
							600	70.6	63.7	15.6		39.7	60.7		36.7				
							700	76.7	62.7	11.7		38.4	59.7		35.4				
							800	82.4	61.9	11.2		37.2	58.9		34.2				
							900	87.8	61.1	10.8		36.2	58.1		33.2				
							1000	92.9	60.4	10.4		35.3	57.4		32.3				

ISO C7A PCable 100m (LA) (+All)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	19	i	i	100	545.4	25	1	3.0	80.0	20.0		80.0	77.0		77.0	40	35		
3,6 - 3,6							4	5.6	80.0	23.0		80.0	77.0		77.0	34	23		
4,5 - 4,5							8	7.8	80.0	24.5		77.2	77.0		74.2	31	16.9		
7,8 - 7,8							10	8.7	80.0	25.0		75.3	77.0		72.3	30	15		
							16	11.0	80.0	25.0		71.2	77.0		68.2	28	10.9		
i	Informational measurement only, no limit available						20	12.3	80.0	25.0		69.3	77.0		66.3	27	9		
	10% length rule - will fail when length > 110 m						25	13.7	80.0	24.2		67.3	77.0		64.3	26	7		
	Not evaluated against the test limit						31.25	15.4	80.0	23.3		65.4	77.0		62.4	25.1	i		
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	21.9	78.5	20.7		59.4	75.5		56.4	22	i		
	If FEXT is < 70 dB, not evaluated against the test limit						100	27.8	75.4	19.0		55.3	72.4		52.3	20	i		
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	39.7	70.9	16.4		49.3	67.9		46.3	17	i		
i if shielded	Informational measurement only if using shielded cable						250	44.6	69.4	15.6		47.3	66.4		44.3	16	i		
							350	53.2	67.2	15.6		44.4	64.2		41.4	14.6	i		
							450	60.7	65.6	15.6		42.2	62.6		39.2	13.5	i		
							500	64.1	64.9	15.6		41.3	61.9		38.3	13	i		
							600	70.6	63.7	15.6		39.7	60.7		36.7	12.2	i		
							700	76.7	62.7	11.7		38.4	59.7		35.4	11.5	i		
							800	82.4	61.9	11.2		37.2	58.9		34.2	11	i		
							900	87.8	61.1	10.8		36.2	58.1		33.2	10.5	i		
							1000	92.9	60.4	10.4		35.3	57.4		32.3	10	i		

ISO C7A PCable 100m (LA) (+PoE)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	19	i	i	100	545.4	25	1	3.0	80.0	20.0		80.0	77.0		77.0				
3,6 - 3,6							4	5.6	80.0	23.0		80.0	77.0		77.0				
4,5 - 4,5							8	7.8	80.0	24.5		77.2	77.0		74.2				
7,8 - 7,8							10	8.7	80.0	25.0		75.3	77.0		72.3				
							16	11.0	80.0	25.0		71.2	77.0		68.2				
i	Informational measurement only, no limit available						20	12.3	80.0	25.0		69.3	77.0		66.3				
	10% length rule - will fail when length > 110 m						25	13.7	80.0	24.2		67.3	77.0		64.3				
	Not evaluated against the test limit						31.25	15.4	80.0	23.3		65.4	77.0		62.4				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	21.9	78.5	20.7		59.4	75.5		56.4				
	If FEXT is < 70 dB, not evaluated against the test limit						100	27.8	75.4	19.0		55.3	72.4		52.3				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	39.7	70.9	16.4		49.3	67.9		46.3				
							250	44.6	69.4	15.6		47.3	66.4		44.3				
							350	53.2	67.2	15.6		44.4	64.2		41.4				
							450	60.7	65.6	15.6		42.2	62.6		39.2				
							500	64.1	64.9	15.6		41.3	61.9		38.3				
							600	70.6	63.7	15.6		39.7	60.7		36.7				
							700	76.7	62.7	11.7		38.4	59.7		35.4				
							800	82.4	61.9	11.2		37.2	58.9		34.2				
							900	87.8	61.1	10.8		36.2	58.1		33.2				
							1000	92.9	60.4	10.4		35.3	57.4		32.3				

ISO C7 Cable 100m (LA)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	19	None	None	100	545.4	25	1	2.0	80.0	20.0		80.0	77.0		77.0				
3,6 - 3,6							4	3.7	80.0	23.0		80.0	77.0		77.0				
4,5 - 4,5							8	5.2	80.0	24.5		75.9	77.0		72.9				
7,8 - 7,8							10	5.9	80.0	25.0		74.0	77.0		71.0				
							16	7.4	80.0	25.0		69.9	77.0		66.9				
i	Informational measurement only, no limit available						20	8.3	80.0	25.0		68.0	77.0		65.0				
	10% length rule - will fail when length > 110 m						25	9.3	80.0	24.3		66.0	77.0		63.0				
	Not evaluated against the test limit						31.25	10.4	80.0	23.6		64.1	77.0		61.1				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	14.9	75.5	21.5		58.1	72.5		55.1				
	If FEXT is < 70 dB, not evaluated against the test limit						100	19.0	72.4	20.1		54.0	69.4		51.0				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	27.5	67.9	18.0		48.0	64.9		45.0				
							250	31.0	66.4	17.3		46.0	63.4		43.0				
							350	37.2	64.2	17.3		43.1	61.2		40.1				
							450	42.7	62.6	17.3		40.9	59.6		37.9				
							500	45.3	61.9	17.3		40.0	58.9		37.0				
							600	50.1	60.7	17.3		38.4	57.7		35.4				
							700	i	i	i			i		i				
							800	i	i	i			i		i				
							900	i	i	i			i		i				
							1000	i	i	i			i		i				

ISO C7 Cable 100m (LA) (+All)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	19	i	i	100	545.4	25	1	2.0	80.0	20.0		80.0	77.0		77.0	40	35		
3,6 - 3,6							4	3.7	80.0	23.0		80.0	77.0		77.0	34	23		
4,5 - 4,5							8	5.2	80.0	24.5		75.9	77.0		72.9	31	16.9		
7,8 - 7,8							10	5.9	80.0	25.0		74.0	77.0		71.0	30	15		
							16	7.4	80.0	25.0		69.9	77.0		66.9	28	10.9		
i	Informational measurement only, no limit available						20	8.3	80.0	25.0		68.0	77.0		65.0	27	9		
	10% length rule - will fail when length > 110 m						25	9.3	80.0	24.3		66.0	77.0		63.0	26	7		
	Not evaluated against the test limit						31.25	10.4	80.0	23.6		64.1	77.0		61.1	25.1	i		
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	14.9	75.5	21.5		58.1	72.5		55.1	22	i		
	If FEXT is < 70 dB, not evaluated against the test limit						100	19.0	72.4	20.1		54.0	69.4		51.0	20	i		
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	27.5	67.9	18.0		48.0	64.9		45.0	17	i		
i if shielded	Informational measurement only if using shielded cable						250	31.0	66.4	17.3		46.0	63.4		43.0	16	i		
							350	37.2	64.2	17.3		43.1	61.2		40.1	14.6	i		
							450	42.7	62.6	17.3		40.9	59.6		37.9	13.5	i		
							500	45.3	61.9	17.3		40.0	58.9		37.0	13	i		
							600	50.1	60.7	17.3		38.4	57.7		35.4	12.2	i		
							700	i	i	i			i		i	i	i		
							800	i	i	i			i		i	i	i		
							900	i	i	i			i		i	i	i		
							1000	i	i	i			i		i	i	i		

ISO C7 Cable 100m (LA) (+PoE)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	19	i	i	100	545.4	25	1	2.0	80.0	20.0		80.0	77.0		77.0				
3,6 - 3,6							4	3.7	80.0	23.0		80.0	77.0		77.0				
4,5 - 4,5							8	5.2	80.0	24.5		75.9	77.0		72.9				
7,8 - 7,8							10	5.9	80.0	25.0		74.0	77.0		71.0				
							16	7.4	80.0	25.0		69.9	77.0		66.9				
i	Informational measurement only, no limit available						20	8.3	80.0	25.0		68.0	77.0		65.0				
	10% length rule - will fail when length > 110 m						25	9.3	80.0	24.3		66.0	77.0		63.0				
	Not evaluated against the test limit						31.25	10.4	80.0	23.6		64.1	77.0		61.1				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	14.9	75.5	21.5		58.1	72.5		55.1				
	If FEXT is < 70 dB, not evaluated against the test limit						100	19.0	72.4	20.1		54.0	69.4		51.0				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	27.5	67.9	18.0		48.0	64.9		45.0				
							250	31.0	66.4	17.3		46.0	63.4		43.0				
							350	37.2	64.2	17.3		43.1	61.2		40.1				
							450	42.7	62.6	17.3		40.9	59.6		37.9				
							500	45.3	61.9	17.3		40.0	58.9		37.0				
							600	50.1	60.7	17.3		38.4	57.7		35.4				
							700	i	i	i		i	i		i				
							800	i	i	i		i	i		i				
							900	i	i	i		i	i		i				
							1000	i	i	i		i	i		i				

ISO C7 PCable 100m (LA)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	22.8	None	None	100	545.4	25	1	3.0	80.0	20.0		80.0	77.0		77.0				
3,6 - 3,6							4	5.6	80.0	23.0		80.0	77.0		77.0				
4,5 - 4,5							8	7.9	80.0	24.5		75.9	77.0		72.9				
7,8 - 7,8							10	8.8	80.0	25.0		74.0	77.0		71.0				
							16	11.1	80.0	25.0		69.9	77.0		66.9				
i	Informational measurement only, no limit available						20	12.4	80.0	25.0		68.0	77.0		65.0				
	10% length rule - will fail when length > 110 m						25	13.9	80.0	24.2		66.0	77.0		63.0				
	Not evaluated against the test limit						31.25	15.6	80.0	23.3		64.1	77.0		61.1				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	22.3	75.5	20.7		58.1	72.5		55.1				
	If FEXT is < 70 dB, not evaluated against the test limit						100	28.5	72.4	19.0		54.0	69.4		51.0				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	41.2	67.9	16.4		48.0	64.9		45.0				
							250	46.5	66.4	15.6		46.0	63.4		43.0				
							350	55.8	64.2	15.6		43.1	61.2		40.1				
							450	64.0	62.6	15.6		40.9	59.6		37.9				
							500	67.9	61.9	15.6		40.0	58.9		37.0				
							600	75.1	60.7	15.6		38.4	57.7		35.4				
							700	i	i	i			i		i				
							800	i	i	i			i		i				
							900	i	i	i			i		i				
							1000	i	i	i			i		i				

ISO C7 PCable 100m (LA) (+All)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	22.8	i	i	100	545.4	25	1	3.0	80.0	20.0		80.0	77.0		77.0	40	35		
3,6 - 3,6							4	5.6	80.0	23.0		80.0	77.0		77.0	34	23		
4,5 - 4,5							8	7.9	80.0	24.5		75.9	77.0		72.9	31	16.9		
7,8 - 7,8							10	8.8	80.0	25.0		74.0	77.0		71.0	30	15		
							16	11.1	80.0	25.0		69.9	77.0		66.9	28	10.9		
i	Informational measurement only, no limit available						20	12.4	80.0	25.0		68.0	77.0		65.0	27	9		
	10% length rule - will fail when length > 110 m						25	13.9	80.0	24.2		66.0	77.0		63.0	26	7		
	Not evaluated against the test limit						31.25	15.6	80.0	23.3		64.1	77.0		61.1	25.1	i		
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	22.3	75.5	20.7		58.1	72.5		55.1	22	i		
	If FEXT is < 70 dB, not evaluated against the test limit						100	28.5	72.4	19.0		54.0	69.4		51.0	20	i		
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	41.2	67.9	16.4		48.0	64.9		45.0	17	i		
i if shielded	Informational measurement only if using shielded cable						250	46.5	66.4	15.6		46.0	63.4		43.0	16	i		
							350	55.8	64.2	15.6		43.1	61.2		40.1	14.6	i		
							450	64.0	62.6	15.6		40.9	59.6		37.9	13.5	i		
							500	67.9	61.9	15.6		40.0	58.9		37.0	13	i		
							600	75.1	60.7	15.6		38.4	57.7		35.4	12.2	i		
							700	i	i	i			i		i	i	i		
							800	i	i	i			i		i	i	i		
							900	i	i	i			i		i	i	i		
							1000	i	i	i			i		i	i	i		

ISO C7 PCable 100m (LA) (+PoE)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	22.8	i	i	100	545.4	25	1	3.0	80.0	20.0		80.0	77.0		77.0				
3,6 - 3,6							4	5.6	80.0	23.0		80.0	77.0		77.0				
4,5 - 4,5							8	7.9	80.0	24.5		75.9	77.0		72.9				
7,8 - 7,8							10	8.8	80.0	25.0		74.0	77.0		71.0				
							16	11.1	80.0	25.0		69.9	77.0		66.9				
i	Informational measurement only, no limit available						20	12.4	80.0	25.0		68.0	77.0		65.0				
	10% length rule - will fail when length > 110 m						25	13.9	80.0	24.2		66.0	77.0		63.0				
	Not evaluated against the test limit						31.25	15.6	80.0	23.3		64.1	77.0		61.1				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	22.3	75.5	20.7		58.1	72.5		55.1				
	If FEXT is < 70 dB, not evaluated against the test limit						100	28.5	72.4	19.0		54.0	69.4		51.0				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	41.2	67.9	16.4		48.0	64.9		45.0				
							250	46.5	66.4	15.6		46.0	63.4		43.0				
							350	55.8	64.2	15.6		43.1	61.2		40.1				
							450	64.0	62.6	15.6		40.9	59.6		37.9				
							500	67.9	61.9	15.6		40.0	58.9		37.0				
							600	75.1	60.7	15.6		38.4	57.7		35.4				
							700	i	i	i			i		i				
							800	i	i	i			i		i				
							900	i	i	i			i		i				
							1000	i	i	i			i		i				

ISO C6A Cable 100m (LA)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	19	None	None	100	545.4	45	1	2.1	74.3	20.0		67.8	72.3		64.8				
3,6 - 3,6							4	3.8	65.3	23.0		55.8	63.3		52.8				
4,5 - 4,5							8	5.3	60.8	24.5		49.7	58.8		46.7				
7,8 - 7,8							10	5.9	59.3	25.0		47.8	57.3		44.8				
							16	7.5	56.2	25.0		43.7	54.2		40.7				
i	Informational measurement only, no limit available						20	8.4	54.8	25.0		41.8	52.8		38.8				
	10% length rule - will fail when length > 110 m						25	9.4	53.3	24.3		39.8	51.3		36.8				
	Not evaluated against the test limit						31.25	10.5	51.9	23.6		37.9	49.9		34.9				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	15.0	47.4	21.5		31.9	45.4		28.9				
	If FEXT is < 70 dB, not evaluated against the test limit						100	19.1	44.3	20.1		27.8	42.3		24.8				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	27.6	39.8	18.0		21.8	37.8		18.8				
							250	31.1	38.3	17.3		19.8	36.3		16.8				
							350	37.2	36.1	17.3		16.9	34.1		13.9				
							450	42.7	34.5	17.3		14.7	32.5		11.7				
							500	45.3	33.8	17.3		13.8	31.8		10.8				

ISO C6A Cable 100m (LA) (+All)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	19	i	i	100	545.4	45	1	2.1	74.3	20.0		67.8	72.3		64.8	40	35		
3,6 - 3,6							4	3.8	65.3	23.0		55.8	63.3		52.8	34	23		
4,5 - 4,5							8	5.3	60.8	24.5		49.7	58.8		46.7	31	16.9		
7,8 - 7,8							10	5.9	59.3	25.0		47.8	57.3		44.8	30	15		
							16	7.5	56.2	25.0		43.7	54.2		40.7	28	10.9		
i	Informational measurement only, no limit available						20	8.4	54.8	25.0		41.8	52.8		38.8	27	9		
	10% length rule - will fail when length > 110 m						25	9.4	53.3	24.3		39.8	51.3		36.8	26	7		
	Not evaluated against the test limit						31.25	10.5	51.9	23.6		37.9	49.9		34.9	25.1	i		
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	15.0	47.4	21.5		31.9	45.4		28.9	22	i		
	If FEXT is < 70 dB, not evaluated against the test limit						100	19.1	44.3	20.1		27.8	42.3		24.8	20	i		
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	27.6	39.8	18.0		21.8	37.8		18.8	17	i		
i if shielded	Informational measurement only if using shielded cable						250	31.1	38.3	17.3		19.8	36.3		16.8	16	i		
							350	37.2	36.1	17.3		16.9	34.1		13.9	14.6	i		
							450	42.7	34.5	17.3		14.7	32.5		11.7	13.5	i		
							500	45.3	33.8	17.3		13.8	31.8		10.8	13	i		

ISO C6A Cable 100m (LA) (+PoE)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	19	i	i	100	545.4	45	1	2.1	74.3	20.0		67.8	72.3		64.8				
3,6 - 3,6							4	3.8	65.3	23.0		55.8	63.3		52.8				
4,5 - 4,5							8	5.3	60.8	24.5		49.7	58.8		46.7				
7,8 - 7,8							10	5.9	59.3	25.0		47.8	57.3		44.8				
							16	7.5	56.2	25.0		43.7	54.2		40.7				
i	Informational measurement only, no limit available						20	8.4	54.8	25.0		41.8	52.8		38.8				
	10% length rule - will fail when length > 110 m						25	9.4	53.3	24.3		39.8	51.3		36.8				
	Not evaluated against the test limit						31.25	10.5	51.9	23.6		37.9	49.9		34.9				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	15.0	47.4	21.5		31.9	45.4		28.9				
	If FEXT is < 70 dB, not evaluated against the test limit						100	19.1	44.3	20.1		27.8	42.3		24.8				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	27.6	39.8	18.0		21.8	37.8		18.8				
							250	31.1	38.3	17.3		19.8	36.3		16.8				
							350	37.2	36.1	17.3		16.9	34.1		13.9				
							450	42.7	34.5	17.3		14.7	32.5		11.7				
							500	45.3	33.8	17.3		13.8	31.8		10.8				

ISO C6A PCable 100m (LA)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	22.8	None	None	100	545.4	45	1	3.1	74.3	20.0		67.8	72.3		64.8				
3,6 - 3,6							4	5.7	65.3	23.0		55.8	63.3		52.8				
4,5 - 4,5							8	8.0	60.8	24.5		49.7	58.8		46.7				
7,8 - 7,8							10	8.9	59.3	25.0		47.8	57.3		44.8				
							16	11.2	56.2	25.0		43.7	54.2		40.7				
i	Informational measurement only, no limit available						20	12.6	54.8	25.0		41.8	52.8		38.8				
	10% length rule - will fail when length > 110 m						25	14.1	53.3	24.2		39.8	51.3		36.8				
	Not evaluated against the test limit						31.25	15.8	51.9	23.3		37.9	49.9		34.9				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	22.5	47.4	20.7		31.9	45.4		28.9				
	If FEXT is < 70 dB, not evaluated against the test limit						100	28.7	44.3	19.0		27.8	42.3		24.8				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	41.4	39.8	16.4		21.8	37.8		18.8				
							250	46.6	38.3	15.6		19.8	36.3		16.8				
							350	55.9	36.1	15.6		16.9	34.1		13.9				
							450	64.1	34.5	15.6		14.7	32.5		11.7				
							500	67.9	33.8	15.6		13.8	31.8		10.8				

ISO C6A PCable 100m (LA) (+All)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	22.8	i	i	100	545.4	45	1	3.1	74.3	20.0		67.8	72.3		64.8	40	35		
3,6 - 3,6							4	5.7	65.3	23.0		55.8	63.3		52.8	34	23		
4,5 - 4,5							8	8.0	60.8	24.5		49.7	58.8		46.7	31	16.9		
7,8 - 7,8							10	8.9	59.3	25.0		47.8	57.3		44.8	30	15		
							16	11.2	56.2	25.0		43.7	54.2		40.7	28	10.9		
i	Informational measurement only, no limit available						20	12.6	54.8	25.0		41.8	52.8		38.8	27	9		
	10% length rule - will fail when length > 110 m						25	14.1	53.3	24.2		39.8	51.3		36.8	26	7		
	Not evaluated against the test limit						31.25	15.8	51.9	23.3		37.9	49.9		34.9	25.1	i		
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	22.5	47.4	20.7		31.9	45.4		28.9	22	i		
	If FEXT is < 70 dB, not evaluated against the test limit						100	28.7	44.3	19.0		27.8	42.3		24.8	20	i		
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	41.4	39.8	16.4		21.8	37.8		18.8	17	i		
i if shielded	Informational measurement only if using shielded cable						250	46.6	38.3	15.6		19.8	36.3		16.8	16	i		
							350	55.9	36.1	15.6		16.9	34.1		13.9	14.6	i		
							450	64.1	34.5	15.6		14.7	32.5		11.7	13.5	i		
							500	67.9	33.8	15.6		13.8	31.8		10.8	13	i		

ISO C6A PCable 100m (LA) (+PoE)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	22.8	i	i	100	545.4	45	1	3.1	74.3	20.0		67.8	72.3		64.8				
3,6 - 3,6							4	5.7	65.3	23.0		55.8	63.3		52.8				
4,5 - 4,5							8	8.0	60.8	24.5		49.7	58.8		46.7				
7,8 - 7,8							10	8.9	59.3	25.0		47.8	57.3		44.8				
							16	11.2	56.2	25.0		43.7	54.2		40.7				
i	Informational measurement only, no limit available						20	12.6	54.8	25.0		41.8	52.8		38.8				
	10% length rule - will fail when length > 110 m						25	14.1	53.3	24.2		39.8	51.3		36.8				
	Not evaluated against the test limit						31.25	15.8	51.9	23.3		37.9	49.9		34.9				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	22.5	47.4	20.7		31.9	45.4		28.9				
	If FEXT is < 70 dB, not evaluated against the test limit						100	28.7	44.3	19.0		27.8	42.3		24.8				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	41.4	39.8	16.4		21.8	37.8		18.8				
							250	46.6	38.3	15.6		19.8	36.3		16.8				
							350	55.9	36.1	15.6		16.9	34.1		13.9				
							450	64.1	34.5	15.6		14.7	32.5		11.7				
							500	67.9	33.8	15.6		13.8	31.8		10.8				

ISO C6 Cable 100m (LA)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	None	None	100	555	50	1	2.1	75.3	20.0		68.0	72.3		65.0				
3,6 - 3,6							4	3.8	66.3	23.0		56.0	63.3		53.0				
4,5 - 4,5							8	5.4	61.8	24.5		49.9	58.8		46.9				
7,8 - 7,8							10	6.0	60.3	25.0		48.0	57.3		45.0				
							16	7.6	57.2	25.0		43.9	54.2		40.9				
i	Informational measurement only, no limit available						20	8.5	55.8	25.0		42.0	52.8		39.0				
	10% length rule - will fail when length > 110 m						25	9.6	54.3	24.3		40.0	51.3		37.0				
	Not evaluated against the test limit						31.25	10.7	52.9	23.6		38.1	49.9		35.1				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	15.5	48.4	21.5		32.1	45.4		29.1				
	If FEXT is < 70 dB, not evaluated against the test limit						100	19.9	45.3	20.1		28.0	42.3		25.0				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	29.1	40.8	18.0		22.0	37.8		19.0				
							250	33.0	39.3	17.3		20.0	36.3		17.0				
							350	i	i	i		i	i		i				

ISO C6 Cable 100m (LA) (+All)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	i	i	100	555	50	1	2.1	75.3	20.0		68.0	72.3		65.0	40	35		
3,6 - 3,6							4	3.8	66.3	23.0		56.0	63.3		53.0	34	23		
4,5 - 4,5							8	5.4	61.8	24.5		49.9	58.8		46.9	31	16.9		
7,8 - 7,8							10	6.0	60.3	25.0		48.0	57.3		45.0	30	15		
							16	7.6	57.2	25.0		43.9	54.2		40.9	28	10.9		
i	Informational measurement only, no limit available						20	8.5	55.8	25.0		42.0	52.8		39.0	27	9		
	10% length rule - will fail when length > 110 m						25	9.6	54.3	24.3		40.0	51.3		37.0	26	7		
	Not evaluated against the test limit						31.25	10.7	52.9	23.6		38.1	49.9		35.1	25.1	i		
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	15.5	48.4	21.5		32.1	45.4		29.1	22	i		
	If FEXT is < 70 dB, not evaluated against the test limit						100	19.9	45.3	20.1		28.0	42.3		25.0	20	i		
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	29.1	40.8	18.0		22.0	37.8		19.0	17	i		
i if shielded	Informational measurement only if using shielded cable						250	33.0	39.3	17.3		20.0	36.3		17.0	16	i		
							350	i	i	i		i	i		i	i	i		

ISO C6 Cable 100m (LA) (+PoE)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	i	i	100	555	50	1	2.1	75.3	20.0		68.0	72.3		65.0				
3,6 - 3,6							4	3.8	66.3	23.0		56.0	63.3		53.0				
4,5 - 4,5							8	5.4	61.8	24.5		49.9	58.8		46.9				
7,8 - 7,8							10	6.0	60.3	25.0		48.0	57.3		45.0				
							16	7.6	57.2	25.0		43.9	54.2		40.9				
i	Informational measurement only, no limit available						20	8.5	55.8	25.0		42.0	52.8		39.0				
	10% length rule - will fail when length > 110 m						25	9.6	54.3	24.3		40.0	51.3		37.0				
	Not evaluated against the test limit						31.25	10.7	52.9	23.6		38.1	49.9		35.1				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	15.5	48.4	21.5		32.1	45.4		29.1				
	If FEXT is < 70 dB, not evaluated against the test limit						100	19.9	45.3	20.1		28.0	42.3		25.0				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	29.1	40.8	18.0		22.0	37.8		19.0				
							250	33.0	39.3	17.3		20.0	36.3		17.0				
							350	i	i	i		i	i		i				

ISO C6 PCable 100m (LA)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	None	None	100	555	50	1	3.1	74.3	20.0		67.8	72.3		64.8				
3,6 - 3,6							4	5.8	65.3	23.0		55.8	63.3		52.8				
4,5 - 4,5							8	8.1	60.8	24.5		49.7	58.8		46.7				
7,8 - 7,8							10	9.0	59.3	25.0		47.8	57.3		44.8				
							16	11.4	56.2	25.0		43.7	54.2		40.7				
i	Informational measurement only, no limit available						20	12.8	54.8	25.0		41.8	52.8		38.8				
	10% length rule - will fail when length > 110 m						25	14.4	53.3	24.2		39.8	51.3		36.8				
	Not evaluated against the test limit						31.25	16.1	51.9	23.3		37.9	49.9		34.9				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	23.3	47.4	20.7		31.9	45.4		28.9				
	If FEXT is < 70 dB, not evaluated against the test limit						100	29.9	44.3	19.0		27.8	42.3		24.8				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	43.8	39.8	16.4		21.8	37.8		18.8				
							250	49.7	38.3	15.6		19.8	36.3		16.8				
							350	i	i	i		i	i		i				

ISO C6 PCable 100m (LA) (+All)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	i	i	100	555	50	1	3.1	74.3	20.0		67.8	72.3		64.8	40	35		
3,6 - 3,6							4	5.8	65.3	23.0		55.8	63.3		52.8	34	23		
4,5 - 4,5							8	8.1	60.8	24.5		49.7	58.8		46.7	31	16.9		
7,8 - 7,8							10	9.0	59.3	25.0		47.8	57.3		44.8	30	15		
							16	11.4	56.2	25.0		43.7	54.2		40.7	28	10.9		
i	Informational measurement only, no limit available						20	12.8	54.8	25.0		41.8	52.8		38.8	27	9		
	10% length rule - will fail when length > 110 m						25	14.4	53.3	24.2		39.8	51.3		36.8	26	7		
	Not evaluated against the test limit						31.25	16.1	51.9	23.3		37.9	49.9		34.9	25.1	i		
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	23.3	47.4	20.7		31.9	45.4		28.9	22	i		
	If FEXT is < 70 dB, not evaluated against the test limit						100	29.9	44.3	19.0		27.8	42.3		24.8	20	i		
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	43.8	39.8	16.4		21.8	37.8		18.8	17	i		
i if shielded	Informational measurement only if using shielded cable						250	49.7	38.3	15.6		19.8	36.3		16.8	16	i		
							350	i	i	i		i	i		i	i	i		

ISO C6 PCable 100m (LA) (+PoE)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	i	i	100	555	50	1	3.1	74.3	20.0		67.8	72.3		64.8				
3,6 - 3,6							4	5.8	65.3	23.0		55.8	63.3		52.8				
4,5 - 4,5							8	8.1	60.8	24.5		49.7	58.8		46.7				
7,8 - 7,8							10	9.0	59.3	25.0		47.8	57.3		44.8				
							16	11.4	56.2	25.0		43.7	54.2		40.7				
i	Informational measurement only, no limit available						20	12.8	54.8	25.0		41.8	52.8		38.8				
	10% length rule - will fail when length > 110 m						25	14.4	53.3	24.2		39.8	51.3		36.8				
	Not evaluated against the test limit						31.25	16.1	51.9	23.3		37.9	49.9		34.9				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	23.3	47.4	20.7		31.9	45.4		28.9				
	If FEXT is < 70 dB, not evaluated against the test limit						100	29.9	44.3	19.0		27.8	42.3		24.8				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	43.8	39.8	16.4		21.8	37.8		18.8				
							250	49.7	38.3	15.6		19.8	36.3		16.8				
							350	i	i	i		i	i		i				

ISO C5e Cable 100m (LA)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	None	None	100	555	50	1	2.1	65.3	20.0		64.0	62.3		61.0				
3,6 - 3,6							4	4.1	56.3	23.0		52.0	53.3		49.0				
4,5 - 4,5							8	5.8	51.8	24.5		45.9	48.8		42.9				
7,8 - 7,8							10	6.5	50.3	25.0		44.0	47.3		41.0				
							16	8.3	47.2	25.0		39.9	44.2		36.9				
i	Informational measurement only, no limit available						20	9.3	45.8	25.0		38.0	42.8		35.0				
	10% length rule - will fail when length > 110 m						25	10.4	44.3	24.3		36.0	41.3		33.0				
	Not evaluated against the test limit						31.25	11.7	42.9	23.6		34.1	39.9		31.1				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	17.0	38.4	21.5		28.1	35.4		25.1				
	If FEXT is < 70 dB, not evaluated against the test limit						100	22.0	35.3	20.1		24.0	32.3		21.0				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	i	i	i		i	i		i				
							250	i	i	i		i	i		i				
							350	i	i	i		i	i		i				

ISO C5e Cable 100m (LA) (+All)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	i	i	100	555	50	1	2.1	65.3	20.0		64.0	62.3		61.0	40	35		
3,6 - 3,6							4	4.1	56.3	23.0		52.0	53.3		49.0	34	23		
4,5 - 4,5							8	5.8	51.8	24.5		45.9	48.8		42.9	31	16.9		
7,8 - 7,8							10	6.5	50.3	25.0		44.0	47.3		41.0	30	15		
							16	8.3	47.2	25.0		39.9	44.2		36.9	28	10.9		
i	Informational measurement only, no limit available						20	9.3	45.8	25.0		38.0	42.8		35.0	27	9		
	10% length rule - will fail when length > 110 m						25	10.4	44.3	24.3		36.0	41.3		33.0	26	7		
	Not evaluated against the test limit						31.25	11.7	42.9	23.6		34.1	39.9		31.1	25.1	i		
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	17.0	38.4	21.5		28.1	35.4		25.1	22	i		
	If FEXT is < 70 dB, not evaluated against the test limit						100	22.0	35.3	20.1		24.0	32.3		21.0	20	i		
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	i	i	i		i	i		i	i	i		
i if shielded	Informational measurement only if using shielded cable						250	i	i	i		i	i		i	i	i		
							350	i	i	i		i	i		i	i	i		

ISO C5e Cable 100m (LA) (+PoE)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	i	i	100	555	50	1	2.1	65.3	20.0		64.0	62.3		61.0				
3,6 - 3,6							4	4.1	56.3	23.0		52.0	53.3		49.0				
4,5 - 4,5							8	5.8	51.8	24.5		45.9	48.8		42.9				
7,8 - 7,8							10	6.5	50.3	25.0		44.0	47.3		41.0				
							16	8.3	47.2	25.0		39.9	44.2		36.9				
i	Informational measurement only, no limit available						20	9.3	45.8	25.0		38.0	42.8		35.0				
	10% length rule - will fail when length > 110 m						25	10.4	44.3	24.3		36.0	41.3		33.0				
	Not evaluated against the test limit						31.25	11.7	42.9	23.6		34.1	39.9		31.1				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	17.0	38.4	21.5		28.1	35.4		25.1				
	If FEXT is < 70 dB, not evaluated against the test limit						100	22.0	35.3	20.1		24.0	32.3		21.0				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	i	i	i		i	i		i				
							250	i	i	i		i	i		i				
							350	i	i	i		i	i		i				

ISO C5e PCable 100m (LA)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	None	None	100	555	50	1	3.2	65.3	20.0		63.8	62.3		60.8				
3,6 - 3,6							4	6.0	56.3	23.0		51.8	53.3		48.8				
4,5 - 4,5							8	8.5	51.8	24.5		45.7	48.8		42.7				
7,8 - 7,8							10	9.5	50.3	25.0		43.8	47.3		40.8				
							16	12.1	47.2	25.0		39.7	44.2		36.7				
i	Informational measurement only, no limit available						20	13.5	45.8	25.0		37.8	42.8		34.8				
	10% length rule - will fail when length > 110 m						25	15.2	44.3	24.2		35.8	41.3		32.8				
	Not evaluated against the test limit						31.25	17.1	42.9	23.3		33.9	39.9		30.9				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	24.8	38.4	20.7		27.9	35.4		24.9				
	If FEXT is < 70 dB, not evaluated against the test limit						100	32.0	35.3	19.0		23.8	32.3		20.8				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	i	i	i		i	i		i				
							250	i	i	i		i	i		i				
							350	i	i	i		i	i		i				

ISO C5e PCable 100m (LA) (+All)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	i	i	100	555	50	1	3.2	65.3	20.0		63.8	62.3		60.8	40	35		
3,6 - 3,6							4	6.0	56.3	23.0		51.8	53.3		48.8	34	23		
4,5 - 4,5							8	8.5	51.8	24.5		45.7	48.8		42.7	31	16.9		
7,8 - 7,8							10	9.5	50.3	25.0		43.8	47.3		40.8	30	15		
							16	12.1	47.2	25.0		39.7	44.2		36.7	28	10.9		
i	Informational measurement only, no limit available						20	13.5	45.8	25.0		37.8	42.8		34.8	27	9		
	10% length rule - will fail when length > 110 m						25	15.2	44.3	24.2		35.8	41.3		32.8	26	7		
	Not evaluated against the test limit						31.25	17.1	42.9	23.3		33.9	39.9		30.9	25.1	i		
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	24.8	38.4	20.7		27.9	35.4		24.9	22	i		
	If FEXT is < 70 dB, not evaluated against the test limit						100	32.0	35.3	19.0		23.8	32.3		20.8	20	i		
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	i	i	i		i	i		i	i	i		
i if shielded	Informational measurement only if using shielded cable						250	i	i	i		i	i		i	i	i		
							350	i	i	i		i	i		i	i	i		

ISO C5e PCable 100m (LA) (+PoE)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	i	i	100	555	50	1	3.2	65.3	20.0		63.8	62.3		60.8				
3,6 - 3,6							4	6.0	56.3	23.0		51.8	53.3		48.8				
4,5 - 4,5							8	8.5	51.8	24.5		45.7	48.8		42.7				
7,8 - 7,8							10	9.5	50.3	25.0		43.8	47.3		40.8				
							16	12.1	47.2	25.0		39.7	44.2		36.7				
i	Informational measurement only, no limit available						20	13.5	45.8	25.0		37.8	42.8		34.8				
	10% length rule - will fail when length > 110 m						25	15.2	44.3	24.2		35.8	41.3		32.8				
	Not evaluated against the test limit						31.25	17.1	42.9	23.3		33.9	39.9		30.9				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	24.8	38.4	20.7		27.9	35.4		24.9				
	If FEXT is < 70 dB, not evaluated against the test limit						100	32.0	35.3	19.0		23.8	32.3		20.8				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	i	i	i		i	i		i				
							250	i	i	i		i	i		i				
							350	i	i	i		i	i		i				

ISO Cat 6A Connector (LA)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2				i	i	i	1		75.0	30.0									
3,6 - 3,6							4		75.0	30.0									
4,5 - 4,5							8		75.0	30.0									
7,8 - 7,8							10		74.0	30.0									
							16		69.9	30.0									
i	Informational measurement only, no limit available						20		68.0	30.0									
							25		66.0	30.0									
							31.25		64.1	30.0									
							62.5		58.1	30.0									
							100		54.0	28.0									
							200		48.0	22.0									
							250		46.0	20.0									
							350		41.7	17.1									
							450		38.4	14.9									
							500		37.0	14.0									

ISO Cat 7 Connector (LA)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2				i	i	i	1		80.0	30.0									
3,6 - 3,6							4		80.0	30.0									
4,5 - 4,5							8		80.0	30.0									
7,8 - 7,8							10		80.0	30.0									
							16		80.0	30.0									
i	Informational measurement only, no limit available						20		80.0	30.0									
							25		80.0	30.0									
							31.25		80.0	30.0									
							62.5		75.5	30.0									
							100		72.4	28.0									
							200		67.9	22.0									
							250		66.4	20.0									
							350		64.2	17.1									
							450		62.6	14.9									
							500		61.9	14.0									
							600		60.7	12.4									

ISO Cat 7A Connector (LA)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2				i	i	i	1		75.0	30.0									
3,6 - 3,6							4		75.0	30.0									
4,5 - 4,5							8		75.0	30.0									
7,8 - 7,8							10		75.0	30.0									
							16		75.0	30.0									
i	Informational measurement only, no limit available						20		75.0	30.0									
							25		75.0	30.0									
							31.25		75.0	30.0									
							62.5		75.0	30.0									
							100		75.0	28.0									
							200		70.3	22.0									
							250		68.3	20.0									
							350		65.4	17.1									
							450		63.2	14.9									
							500		62.3	14.0									
							600		60.7	12.4									
							700		58.1	11.1									
							800		55.7	9.9									
							900		53.7	8.9									
							1000		51.9	8.0									

TIA Cat 5e Connector (LA)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2				i	i	i	1		75.0	30.0									
3,6 - 3,6							4		71.0	30.0									
4,5 - 4,5							8		64.9	30.0									
7,8 - 7,8							10		63.0	30.0									
							16		58.9	30.0									
i	Informational measurement only, no limit available						20		57.0	30.0									
							25		55.0	30.0									
							31.25		53.1	30.0									
							62.5		47.1	24.1									
							100		43.0	20.0									
							200	i	i	i									
							250	i	i	i									
							350	i	i	i									

TIA Cat 6 Connector (LA)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2				i	i	i	1		75.0	30.0									
3,6 - 3,6							4		75.0	30.0									
4,5 - 4,5							8		75.0	30.0									
7,8 - 7,8							10		74.0	30.0									
							16		69.9	30.0									
i	Informational measurement only, no limit available						20		68.0	30.0									
							25		66.0	30.0									
							31.25		64.1	30.0									
							62.5		58.1	28.1									
							100		54.0	24.0									
							200		48.0	18.0									
							250		46.0	16.0									
							350		i	i									

TIA Cat 6A Connector (LA)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2				i	i	i	1		75.0	30.0									
3,6 - 3,6							4		75.0	30.0									
4,5 - 4,5							8		75.0	30.0									
7,8 - 7,8							10		74.0	30.0									
							16		69.9	30.0									
i	Informational measurement only, no limit available						20		68.0	30.0									
							25		66.0	30.0									
							31.25		64.1	30.0									
							62.5		58.1	30.0									
							100		54.0	28.0									
							200		48.0	22.0									
							250		46.0	20.0									
							350		40.2	17.1									
							450		35.8	14.9									
							500		34.0	14.0									

ISO C6A Cable Single End (LA)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	None	None	None	100	i	i	1		74.3	20.0			72.3						
3,6 - 3,6							4		65.3	23.0			63.3						
4,5 - 4,5							8		60.8	24.5			58.8						
7,8 - 7,8							10		59.3	25.0			57.3						
							16		56.2	25.0			54.2						
i	Informational measurement only, no limit available						20		54.8	25.0			52.8						
	Not evaluated against the test limit						25		53.3	24.3			51.3						
							31.25		51.9	23.6			49.9						
							62.5		47.4	21.5			45.4						
							100		44.3	20.1			42.3						
							200		39.8	18.0			37.8						
							250		38.3	17.3			36.3						
							350		36.1	17.3			34.1						
							450		34.5	17.3			32.5						
							500		33.8	17.3			31.8						

ISO C6A PCable Single End (LA)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	None	None	None	100	i	i	1		74.3	20.0			72.3						
3,6 - 3,6							4		65.3	23.0			63.3						
4,5 - 4,5							8		60.8	24.5			58.8						
7,8 - 7,8							10		59.3	25.0			57.3						
							16		56.2	25.0			54.2						
i	Informational measurement only, no limit available						20		54.8	25.0			52.8						
	Not evaluated against the test limit						25		53.3	24.2			51.3						
							31.25		51.9	23.3			49.9						
							62.5		47.4	20.7			45.4						
							100		44.3	19.0			42.3						
							200		39.8	16.4			37.8						
							250		38.3	15.6			36.3						
							350		36.1	15.6			34.1						
							450		34.5	15.6			32.5						
							500		33.8	15.6			31.8						

ISO C7 Cable Single End (LA)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	None	None	None	100	i	i	1		80.0	20.0			77.0						
3,6 - 3,6							4		80.0	23.0			77.0						
4,5 - 4,5							8		80.0	24.5			77.0						
7,8 - 7,8							10		80.0	25.0			77.0						
							16		80.0	25.0			77.0						
i	Informational measurement only, no limit available						20		80.0	25.0			77.0						
	Not evaluated against the test limit						25		80.0	24.3			77.0						
							31.25		80.0	23.6			77.0						
							62.5		75.5	21.5			72.5						
							100		72.4	20.1			69.4						
							200		67.9	18.0			64.9						
							250		66.4	17.3			63.4						
							350		64.2	17.3			61.2						
							450		62.6	17.3			59.6						
							500		61.9	17.3			58.9						
							600		60.7	17.3			57.7						

ISO C7 PCable Single End (LA)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	None	None	None	100	i	i	1		80.0	20.0			77.0						
3,6 - 3,6							4		80.0	23.0			77.0						
4,5 - 4,5							8		80.0	24.5			77.0						
7,8 - 7,8							10		80.0	25.0			77.0						
							16		80.0	25.0			77.0						
i	Informational measurement only, no limit available						20		80.0	25.0			77.0						
	Not evaluated against the test limit						25		80.0	24.2			77.0						
							31.25		80.0	23.3			77.0						
							62.5		75.5	20.7			72.5						
							100		72.4	19.0			69.4						
							200		67.9	16.4			64.9						
							250		66.4	15.6			63.4						
							350		64.2	15.6			61.2						
							450		62.6	15.6			59.6						
							500		61.9	15.6			58.9						
							600		60.7	15.6			57.7						

ISO C7A Cable Single End (LA)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	None	None	None	100	i	i	1		80.0	20.0			77.0						
3,6 - 3,6							4		80.0	23.0			77.0						
4,5 - 4,5							8		80.0	24.5			77.0						
7,8 - 7,8							10		80.0	25.0			77.0						
							16		80.0	25.0			77.0						
i	Informational measurement only, no limit available						20		80.0	25.0			77.0						
	Not evaluated against the test limit						25		80.0	24.3			77.0						
							31.25		80.0	23.6			77.0						
							62.5		78.5	21.5			75.5						
							100		75.4	20.1			72.4						
							200		70.9	18.0			67.9						
							250		69.4	17.3			66.4						
							350		67.2	17.3			64.2						
							450		65.6	17.3			62.6						
							500		64.9	17.3			61.9						
							600		63.7	17.3			60.7						
							700		62.7	14.2			59.7						
							800		61.9	13.8			58.9						
							900		61.1	13.4			58.1						
							1000		60.4	13.1			57.4						

ISO C7A PCable Single End (LA)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	None	None	None	100	i	i	1		80.0	20.0			77.0						
3,6 - 3,6							4		80.0	23.0			77.0						
4,5 - 4,5							8		80.0	24.5			77.0						
7,8 - 7,8							10		80.0	25.0			77.0						
							16		80.0	25.0			77.0						
i	Informational measurement only, no limit available						20		80.0	25.0			77.0						
	Not evaluated against the test limit						25		80.0	24.2			77.0						
							31.25		80.0	23.3			77.0						
							62.5		78.5	20.7			75.5						
							100		75.4	19.0			72.4						
							200		70.9	16.4			67.9						
							250		69.4	15.6			66.4						
							350		67.2	15.6			64.2						
							450		65.6	15.6			62.6						
							500		64.9	15.6			61.9						
							600		63.7	15.6			60.7						
							700		62.7	11.7			59.7						
							800		61.9	11.2			58.9						
							900		61.1	10.8			58.1						
							1000		60.4	10.4			57.4						

ISO C8.1 Cable Single End (LA)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	None	None	None	100	i	i	1		75.3	20.0			72.3						
3,6 - 3,6							4		66.3	23.0			63.3						
4,5 - 4,5							8		61.8	24.5			58.8						
7,8 - 7,8							10		60.3	25.0			57.3						
							16		57.2	25.0			54.2						
i	Informational measurement only, no limit available						20		55.8	25.0			52.8						
	Not evaluated against the test limit						25		54.3	25.0			51.3						
							31.25		52.9	25.0			49.9						
							62.5		48.4	23.6			45.4						
							100		45.3	22.2			42.3						
							200		40.8	20.1			37.8						
							250		39.3	19.4			36.3						
							350		37.1	18.4			34.1						
							450		35.5	17.6			32.5						
							500		34.8	17.3			31.8						
							600		33.6	16.8			30.6						
							700		32.6	16.3			29.6						
							800		31.8	15.9			28.8						
							900		31.0	15.5			28.0						
							1000		30.3	15.2			27.3						
							1600		27.2	13.8			24.2						
							2000		25.8	13.1			22.8						

ISO C8.2 Cable Single End (LA)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	None	None	None	100	i	i	1		78.0	20.0			75.0						
3,6 - 3,6							4		78.0	23.0			75.0						
4,5 - 4,5							8		78.0	24.5			75.0						
7,8 - 7,8							10		78.0	25.0			75.0						
							16		78.0	25.0			75.0						
i	Informational measurement only, no limit available						20		78.0	25.0			75.0						
	Not evaluated against the test limit						25		78.0	25.0			75.0						
							31.25		78.0	25.0			75.0						
							62.5		78.0	23.6			75.0						
							100		75.4	22.2			72.4						
							200		70.9	20.1			67.9						
							250		69.4	19.4			66.4						
							350		67.2	18.4			64.2						
							450		65.6	17.6			62.6						
							500		64.9	17.3			61.9						
							600		63.7	16.8			60.7						
							700		62.7	16.3			59.7						
							800		61.9	15.9			58.9						
							900		61.1	15.5			58.1						
							1000		60.4	15.2			57.4						
							1600		57.3	13.8			54.3						
							2000		55.9	13.1			52.9						

TIA C5e Cable Single End (LA)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	None	None	None	100	i	i	1		65.3	20.0			62.3						
3,6 - 3,6							4		56.3	23.0			53.3						
4,5 - 4,5							8		51.8	24.5			48.8						
7,8 - 7,8							10		50.3	25.0			47.3						
							16		47.2	25.0			44.2						
i	Informational measurement only, no limit available						20		45.8	25.0			42.8						
	Not evaluated against the test limit						25		44.3	24.3			41.3						
							31.25		42.9	23.6			39.9						
							62.5		38.4	21.5			35.4						
							100		35.3	20.1			32.3						
							200		i	i			i						
							250		i	i			i						
							350		i	i			i						

TIA C5e PCable Single End (LA)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	None	None	None	100	i	i	1		65.3	20.0			62.3						
3,6 - 3,6							4		56.3	23.0			53.3						
4,5 - 4,5							8		51.8	24.5			48.8						
7,8 - 7,8							10		50.3	25.0			47.3						
							16		47.2	25.0			44.2						
i	Informational measurement only, no limit available						20		45.8	25.0			42.8						
	Not evaluated against the test limit						25		44.3	24.2			41.3						
							31.25		42.9	23.3			39.9						
							62.5		38.4	20.7			35.4						
							100		35.3	19.0			32.3						
							200		i	i			i						
							250		i	i			i						
							350		i	i			i						

TIA C6A Cable Single End (LA)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	None	None	None	100	i	i	1		74.3	20.0			72.3						
3,6 - 3,6							4		65.3	23.0			63.3						
4,5 - 4,5							8		60.8	24.5			58.8						
7,8 - 7,8							10		59.3	25.0			57.3						
							16		56.2	25.0			54.2						
i	Informational measurement only, no limit available						20		54.8	25.0			52.8						
	Not evaluated against the test limit						25		53.3	24.3			51.3						
							31.25		51.9	23.6			49.9						
							62.5		47.4	21.5			45.4						
							100		44.3	20.1			42.3						
							200		39.8	18.0			37.8						
							250		38.3	17.3			36.3						
							350		36.1	16.3			34.1						
							450		34.5	15.5			32.5						
							500		33.8	15.2			31.8						

TIA C6A PCable Single End (LA)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	None	None	None	100	i	i	1		74.3	20.0			72.3						
3,6 - 3,6							4		65.3	23.0			63.3						
4,5 - 4,5							8		60.8	24.5			58.8						
7,8 - 7,8							10		59.3	25.0			57.3						
							16		56.2	25.0			54.2						
i	Informational measurement only, no limit available						20		54.8	25.0			52.8						
	Not evaluated against the test limit						25		53.3	24.2			51.3						
							31.25		51.9	23.3			49.9						
							62.5		47.4	20.7			45.4						
							100		44.3	19.0			42.3						
							200		39.8	16.4			37.8						
							250		38.3	15.6			36.3						
							350		36.1	14.3			34.1						
							450		34.5	13.4			32.5						
							500		33.8	13.0			31.8						

TIA C6 Cable Single End (LA)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	None	None	None	100	i	i	1		74.3	20.0			72.3						
3,6 - 3,6							4		65.3	23.0			63.3						
4,5 - 4,5							8		60.8	24.5			58.8						
7,8 - 7,8							10		59.3	25.0			57.3						
							16		56.2	25.0			54.2						
i	Informational measurement only, no limit available						20		54.8	25.0			52.8						
	Not evaluated against the test limit						25		53.3	24.3			51.3						
							31.25		51.9	23.6			49.9						
							62.5		47.4	21.5			45.4						
							100		44.3	20.1			42.3						
							200		39.8	18.0			37.8						
							250		38.3	17.3			36.3						
							350		i	i			i						

TIA C6 PCable Single End (LA)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	None	None	None	100	i	i	1		74.3	20.0			72.3						
3,6 - 3,6							4		65.3	23.0			63.3						
4,5 - 4,5							8		60.8	24.5			58.8						
7,8 - 7,8							10		59.3	25.0			57.3						
							16		56.2	25.0			54.2						
i	Informational measurement only, no limit available						20		54.8	25.0			52.8						
	Not evaluated against the test limit						25		53.3	24.2			51.3						
							31.25		51.9	23.3			49.9						
							62.5		47.4	20.7			45.4						
							100		44.3	19.0			42.3						
							200		39.8	16.4			37.8						
							250		38.3	15.6			36.3						
							350		i	i			i						

TIA C8 Cable Single End (LA)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	None	None	None	100	i	i	1		75.3	20.0			72.3						
3,6 - 3,6							4		66.3	23.0			63.3						
4,5 - 4,5							8		61.8	24.5			58.8						
7,8 - 7,8							10		60.3	25.0			57.3						
							16		57.2	25.0			54.2						
i	Informational measurement only, no limit available						20		55.8	25.0			52.8						
	Not evaluated against the test limit						25		54.3	25.0			51.3						
							31.25		52.9	25.0			49.9						
							62.5		48.4	23.6			45.4						
							100		45.3	22.2			42.3						
							200		40.8	20.1			37.8						
							250		39.3	19.4			36.3						
							350		37.1	18.4			34.1						
							450		35.5	17.6			32.5						
							500		34.8	17.3			31.8						
							600		33.6	16.8			30.6						
							700		32.6	16.3			29.6						
							800		31.8	15.9			28.8						
							900		31.0	15.5			28.0						
							1000		30.3	15.2			27.3						
							1600		27.2	13.8			24.2						
							2000		25.8	13.1			22.8						

Vendor

Belden 2183R/P 4K UHD Media Cable Channel

Wire Map	Resistance	Resistance		Length	Prop Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair																	
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	0.1 or 3.0	0.2 or 7.0	100	555	50	1	3.0	57.3	19.0		63.8	56.3		60.8					
3,6 - 3,6							4	4.1	48.3	19.0		51.8	47.3		48.8					
4,5 - 4,5							8	5.8	43.8	19.0		45.7	42.8		42.7					
7,8 - 7,8							10	6.5	42.3	19.0		43.8	41.3		40.8					
							16	8.2	39.2	18.0		39.7	38.2		36.7					
							20	9.2	37.8	17.5		37.8	36.8		34.8					
	10% length rule - will fail when length > 110 m						25	10.3	36.3	17.0		35.8	35.3		32.8					
	Not evaluated against the test limit						31.25	11.5	34.9	16.5		33.9	33.9		30.9					
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	16.3	30.4	14.0		27.9	29.4		24.9					
	If FEXT is < 70 dB, not evaluated against the test limit						100	20.6	27.3	12.0		23.8	26.3		20.8					
							200	29.3	22.8	9.0		17.8	21.8		14.8					
							250	32.8	21.3	8.0		15.8	20.3		12.8					
							350	38.9	19.1	6.6		12.9	18.1		9.9					
							450	44.2	17.5	6.0		10.7	16.5		7.7					
							500	46.6	16.8	6.0		9.8	15.8		6.8					

Belden 2183R/P 4K UHD Media Cable Direct Attach

Wire Map	Resistance	Resistance		Length	Prop Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair																	
1,2 - 1,2	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
3,6 - 3,6	25	0.1 or 3.0	0.2 or 7.0	100	555	50	1	3	57.3	19		63.8	56.3		60.8					
4,5 - 4,5							4	4.1	48.3	19.0		51.8	47.3		48.8					
7,8 - 7,8							8	5.8	43.8	19.0		45.7	42.8		42.7					
							10	6.5	42.3	19.0		43.8	41.3		40.8					
							16	8.2	39.2	18.0		39.7	38.2		36.7					
							20	9.2	37.8	17.5		37.8	36.8		34.8					
	10% length rule - will fail when length > 110 m						25	10.3	36.3	17.0		35.8	35.3		32.8					
	Not evaluated against the test limit						31.25	11.5	34.9	16.5		33.9	33.9		30.9					
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	16.3	30.4	14.0		27.9	29.4		24.9					
	If FEXT is < 70 dB, not evaluated against the test limit						100	20.6	27.3	12.0		23.8	26.3		20.8					
							200	29.3	22.8	9.0		17.8	21.8		14.8					
							250	32.8	21.3	8.0		15.8	20.3		12.8					
							350	38.9	19.1	6.6		12.9	18.1		9.9					
							450	44.2	17.5	6.0		10.7	16.5		7.7					
							500	46.6	16.8	6.0		9.8	15.8		6.8					

Belden 2183R/P 4K UHD Media Cable Permanent Link

Wire Map	Resistance	Resistance		Length	Prop Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	TCTL
		Unbalance	Pair to Pair																	
1,2 - 1,2	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
3,6 - 3,6	21	0.1 or 3.0	0.2 or 7.0	90	498	44	**1**	**3**	**57.3**	**19.1**		**63.8**	**56.3**		**60.8**					
4,5 - 4,5							4	4	48.3	21		51.8	47.3		48.8					
7,8 - 7,8							8	5.7	43.8	21.0		45.7	42.8		42.7					
							10	6.3	42.3	21.0		43.8	41.3		40.8					
							16	8.0	39.2	20.0		39.7	38.2		36.7					
							20	9.0	37.8	19.5		37.8	36.8		34.8					
	10% length rule - will fail when length > 110 m						25	10.0	36.3	19.0		35.8	35.3		32.8					
	Not evaluated against the test limit						31.25	11.2	34.9	18.5		33.9	33.9		30.9					
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	15.9	30.4	16.0		27.9	29.4		24.9					
	If FEXT is < 70 dB, not evaluated against the test limit						100	20.1	27.3	14.0		23.8	26.3		20.8					
							200	28.5	22.8	11.0		17.8	21.8		14.8					
							250	32.0	21.3	10.0		15.8	20.3		12.8					
							350	37.9	19.1	8.6		12.9	18.1		9.9					
							450	43.1	17.5	8.0		10.7	16.5		7.7					
							500	45.5	16.8	8.0		9.8	15.8		6.8					

Graybar VIP1000 Channel

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25			100	555	45	1	3.0	60.0	17.0	57.0	56.8	57.0	54.0	54.4				
3,6 - 3,6							4	4.3	53.5	17.0	49.2	45.0	50.9	46.6	42.4				
4,5 - 4,5							8	6.1	48.5	17.0	42.5	39.1	45.7	39.7	36.3				
7,8 - 7,8							10	6.8	47.0	17.0	40.2	37.2	44.1	37.3	34.4				
							16	8.6	43.6	17.0	35.0	33.2	40.6	32.0	30.3				
i	Informational measurement only, no limit available						20	9.7	42.1	17.0	32.4	31.3	39.0	29.3	28.4				
	10% length rule - will fail when length > 110 m						25	10.9	40.5	16.0	29.6	29.4	37.3	26.5	26.4				
	Not evaluated against the test limit						31.25	12.2	38.9	15.1	26.7	27.5	35.7	23.5	24.5				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	17.7	33.9	12.1	16.3	21.6	31.9	14.3	18.5				
	If FEXT is < 70 dB, not evaluated against the test limit						100	22.8	31.6	10.0	8.8	17.6	30.5	7.7	14.4				
							200	i	i	i	i	i	i	i	i				
							250	i	i	i	i	i	i	i	i				
							350	i	i	i	i	i	i	i	i				

Graybar VIP2000 Channel

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25			100	555	50	1	3.0	65.0	21.0	62.0	63.8	62.0	59.0	60.8				
3,6 - 3,6							4	3.9	65.0	21.0	61.1	51.7	62.0	58.1	48.7				
4,5 - 4,5							8	5.5	60.2	21.0	54.7	45.7	58.8	53.3	42.7				
7,8 - 7,8							10	6.2	58.6	21.0	52.5	43.8	57.2	51.1	40.8				
							16	7.8	55.2	21.0	47.4	39.7	53.8	46.0	36.7				
i	Informational measurement only, no limit available						20	8.8	53.6	21.0	44.8	37.7	52.2	43.4	34.7				
	10% length rule - will fail when length > 110 m						25	9.9	52.0	20.0	42.2	35.8	50.6	40.8	32.8				
	Not evaluated against the test limit						31.25	11.1	50.4	19.1	39.3	33.9	49.0	37.9	30.9				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	16.0	45.4	16.1	29.5	27.8	44.0	28.1	24.8				
	If FEXT is < 70 dB, not evaluated against the test limit						100	20.5	42.0	14.0	21.5	23.8	40.6	20.1	20.8				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	30.0	37.0	11.0	7.0	17.7	35.6	5.6	14.7				
							250	34.0	35.4	10.0	1.4	15.8	34.0	0.0	12.8				
							350	i	i	i	i	i	i	i	i				

LS Simple Cat 6 Plus PL

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25			90	498	44	1	3.0	68.0	19.1	65.0	64.2	65.0	62.0	61.2				
3,6 - 3,6							4	3.5	67.1	21.0	63.6	52.1	64.8	61.3	49.1				
4,5 - 4,5							8	5.0	62.4	21.0	57.4	46.1	60.0	55.1	43.1				
7,8 - 7,8							10	5.5	60.8	21.0	55.3	44.2	58.5	52.9	41.2				
							16	7.0	57.6	20.0	50.6	40.1	55.2	48.2	37.1				
i	Informational measurement only, no limit available						20	7.9	56.1	19.5	48.2	38.2	53.7	45.8	35.2				
	10% length rule - will fail when length > 99 m						25	8.9	54.5	19.0	45.7	36.2	52.1	43.2	33.2				
	Not evaluated against the test limit						31.25	10.0	53.0	18.5	43.0	34.3	50.5	40.6	31.3				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	14.4	48.1	16.0	33.8	28.3	45.7	31.3	25.3				
	If FEXT is < 67 dB, not evaluated against the test limit						100	18.6	44.8	14.0	26.3	24.2	42.3	23.7	21.2				
							200	27.4	39.9	11.0	12.6	18.2	37.3	10.0	15.2				
							250	31.1	38.3	10.0	7.2	16.2	35.7	4.6	13.2				
							350	i	i	i	i	i	i	i	i				

LS Simple Cat 6 Plus Ch

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25			100	555	50	1	3.0	68.0	19.0	65.0	63.3	65.0	62.0	60.3				
3,6 - 3,6							4	4.0	66.0	19.0	62.0	51.2	63.5	59.5	48.2				
4,5 - 4,5							8	5.7	61.2	19.0	55.5	45.2	58.6	52.9	42.2				
7,8 - 7,8							10	6.3	59.6	19.0	53.2	43.3	57.0	50.7	40.3				
							16	8.0	56.2	18.0	48.2	39.2	53.6	45.6	36.2				
i	Informational measurement only, no limit available						20	9.0	54.6	17.5	45.6	37.2	52.0	42.9	34.2				
	10% length rule - will fail when length > 110 m						25	10.1	53.0	17.0	42.9	35.3	50.3	40.2	32.3				
	Not evaluated against the test limit						31.25	11.4	51.4	16.5	40.0	33.4	48.7	37.3	30.4				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	16.5	46.4	14.0	29.9	27.3	43.6	27.1	24.3				
	If FEXT is < 70 dB, not evaluated against the test limit						100	21.3	42.9	12.0	21.6	23.3	40.1	18.8	20.3				
							200	31.5	37.8	9.0	6.3	17.2	34.9	3.3	14.2				
							250	35.9	36.1	8.0	0.2	15.3	33.2	-2.8	12.3				
							350	i	i	i	i	i	i	i	i				

Powerwise/Clarity 1G Cat 5e Channel

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	0.2 or 3.0	0.2 or 7.0	100	555	50	1	3.0	60.0	17.0	57.0	57.4	57.0	54.0	54.4				
3,6 - 3,6							4	4.5	53.5	17.0	49.1	45.4	50.5	46.1	42.4				
4,5 - 4,5							8	6.3	48.6	17.0	42.3	39.3	45.6	39.3	36.3				
7,8 - 7,8							10	7.1	47.0	17.0	39.9	37.4	44.0	36.9	34.4				
							16	9.1	43.6	17.0	34.5	33.3	40.6	31.5	30.3				
i	Informational measurement only, no limit available						20	10.2	42.0	17.0	31.8	31.4	39.0	28.8	28.4				
	10% length rule - will fail when length > 110 m						25	11.4	40.3	16.0	28.9	29.4	37.3	25.9	26.4				
	Not evaluated against the test limit						31.25	12.9	38.7	15.1	25.9	27.5	35.7	22.9	24.5				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	18.6	33.6	12.1	15.0	21.5	30.6	12.0	18.5				
	If FEXT is < 70 dB, not evaluated against the test limit						100	24.0	30.1	10.0	6.1	17.4	27.1	3.1	14.4				
							350	i	i	i	i	i	i	i	i				

Powerwise/Clarity 10G Cat 6A Channel

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	25	0.2 or 3.0	0.2 or 7.0	100	555	50	1	3.0	65.0	19.0	62.0	63.3	62.0	59.0	60.3				
3,6 - 3,6							4	4.2	63.0	19.0	58.9	51.2	60.5	56.4	48.2				
4,5 - 4,5							8	5.8	58.2	19.0	52.4	45.2	55.6	49.8	42.2				
7,8 - 7,8							10	6.5	56.6	19.0	50.1	43.3	54.0	47.5	40.3				
							16	8.2	53.2	18.0	45.0	39.2	50.6	42.4	36.2				
i	Informational measurement only, no limit available						20	9.2	51.6	17.5	42.5	37.2	49.0	39.8	34.2				
	10% length rule - will fail when length > 110 m						25	10.2	50.0	17.0	39.8	35.3	47.3	37.1	32.3				
	Not evaluated against the test limit						31.25	11.5	48.4	16.5	36.9	33.4	45.7	34.2	30.4				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	16.4	43.4	14.0	27.0	27.3	40.6	24.2	24.3				
	If FEXT is < 70 dB, not evaluated against the test limit						100	20.9	39.9	12.0	19.0	23.3	37.1	16.2	20.3				
							200	30.1	34.8	9.0	4.7	17.2	31.9	1.8	14.2				
							250	33.9	33.1	8.0	-0.8	15.3	30.2	-3.7	12.3				
							350	40.6	30.3	6.6	-10.3	12.4	27.3	-13.3	9.4				
							450	46.5	27.3	6.0	-19.2	10.2	24.4	-22.1	7.2				
							500	49.3	26.1	6.0	-23.2	9.3	23.2	-26.1	6.3				

Powerwise/Clarity 1G Cat 5e Permanent Link

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21	0.2 or 3.0	0.2 or 7.0	90	498	44	1	3.0	60.0	19.0	57.0	58.6	57.0	54.0	55.6				
3,6 - 3,6							4	3.9	54.8	19.0	50.9	46.6	51.8	47.9	43.6				
4,5 - 4,5							8	5.5	50.0	19.0	44.5	40.6	47.0	41.5	37.6				
7,8 - 7,8							10	6.2	48.5	19.0	42.3	38.6	45.5	39.3	35.6				
							16	7.9	45.2	19.0	37.3	34.5	42.2	34.3	31.5				
i	Informational measurement only, no limit available						20	8.9	43.7	19.0	34.8	32.6	40.7	31.8	29.6				
	10% length rule - will fail when length > 110 m						25	10.0	42.1	18.0	32.1	30.7	39.1	29.1	27.7				
	Not evaluated against the test limit						31.25	11.2	40.5	17.1	29.3	28.7	37.5	26.3	25.7				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	16.2	35.7	14.1	19.4	22.7	32.7	16.4	19.7				
	If FEXT is < 67 dB, not evaluated against the test limit						100	21.0	32.3	12.0	11.3	18.6	29.3	8.3	15.6				
							350	i	i	i	i	i	i	i	i				

Powerwise/Clarity 10G Cat 6A Permanent Link

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	21	0.2 or 3.0	0.2 or 7.0	90	498	44	1	3.0	65.0	19.1	62.0	64.2	62.0	59.0	61.2				
3,6 - 3,6							4	3.5	64.1	21.0	60.5	52.1	61.8	58.3	49.1				
4,5 - 4,5							8	5.0	59.4	21.0	54.4	46.1	57.0	52.1	43.1				
7,8 - 7,8							10	5.5	57.8	21.0	52.3	44.2	55.5	50.0	41.2				
							16	7.0	54.6	20.0	47.6	40.1	52.2	45.2	37.1				
i	Informational measurement only, no limit available						20	7.8	53.1	19.5	45.2	38.2	50.7	42.8	35.2				
	10% length rule - will fail when length > 110 m						25	8.8	51.5	19.0	42.8	36.2	49.1	40.4	33.2				
	Not evaluated against the test limit						31.25	9.8	50.0	18.5	40.2	34.3	47.5	37.7	31.3				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	14.0	45.1	16.0	31.1	28.3	42.7	28.6	25.3				
	If FEXT is < 67 dB, not evaluated against the test limit						100	18.0	41.8	14.0	23.9	24.2	39.3	21.3	21.2				
							200	26.1	36.9	11.0	10.8	18.2	34.3	8.2	15.2				
							250	29.5	35.3	10.0	5.8	16.2	32.7	3.2	13.2				
							350	35.6	31.8	8.6	-3.8	13.3	29.1	-6.5	10.3				
							450	41.1	28.2	8.0	-13.0	11.1	25.3	-15.8	8.1				
							500	43.8	26.7	8.0	-17.1	10.2	23.8	-20.0	7.2				

Ericsson RDS

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	39	None	None	200	1110	100	1	15.5	37.5		21.9	40.0	37.5	21.9	40.0				
3,6 - 3,6							4	16.3	37.4		21.1	40.0	37.4	21.1	40.0				
4,5 - 4,5							8	17.3	37.4	22.0	20.1	40.0	37.4	20.1	40.0				
7,8 - 7,8							10	17.8	37.3	22.0	19.5	39.4	37.3	19.5	39.4				
							16	19.3	37.2	22.0	17.9	35.8	37.2	17.9	35.8				
i	Informational measurement only, no limit available						20	20.2	37.1	22.0	16.9	34.1	37.1	16.9	34.1				
	10% length rule - will fail when length > 220 m						25	21.5	37.0	22.0	15.6	32.3	37.0	15.6	32.3				
	Not evaluated against the test limit						31.25	22.9	36.9	22.0	14.0	30.6	36.9	14.0	30.6				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	30.1	36.1	20.8	6.0	25.3	36.1	6.0	25.3				
	If FEXT is < 70 dB, not evaluated against the test limit						100	38.1	34.9	19.2	-3.2	21.6	34.9	-3.2	21.6				
							200	55.9	30.2	15.0	-25.7	16.3	30.2	-25.7	16.3				
							250	63.0	27.0	13.0	-36.0	14.6	27.0	-36.0	14.6				
							350	i	i	i	i	i	i	i	i				

GameChanger 1Gb/s Channel

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	None	None	None	None	1080	62	1	3.6	60.0	17.0	56.4	57.4	57.0	53.4	54.4				
3,6 - 3,6							4	6.8	53.5	17.0	46.7	45.4	50.5	43.7	42.4				
4,5 - 4,5							8	9.6	48.6	17.0	39.0	39.3	45.6	36.0	36.3				
7,8 - 7,8							10	10.8	47.0	17.0	36.2	37.4	44.0	33.2	34.4				
							16	13.7	43.6	17.0	29.9	33.3	40.6	26.9	30.3				
							20	15.3	42.0	17.0	26.7	31.4	39.0	23.7	28.4				
i	Informational measurement only, no limit available						25	17.1	40.3	16.0	23.2	29.4	37.3	20.2	26.4				
	Not evaluated against the test limit						31.25	19.2	38.7	15.1	19.5	27.5	35.7	16.5	24.5				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	27.5	33.6	12.1	6.1	21.5	30.6	3.1	18.5				
	If FEXT is < 70 dB, not evaluated against the test limit						100	35.2	30.1	10.0	-5.1	17.4	27.1	-8.1	14.4				
							350	i	i	i	i	i	i	i	i				

GameChanger 10Mb/s Channel

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair																
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	None	None	None	None	1400	None	1	4.7	60.0	17.0	55.3								
3,6 - 3,6							4	9.0	53.5	17.0	44.6								
4,5 - 4,5							8	12.6	48.6	17.0	36.0								
7,8 - 7,8							10	14.1	47.0	17.0	32.9								
							16	17.9	43.6	17.0	25.7								
i	Informational measurement only, no limit available						20	i	i	i	i								
	Not evaluated against the test limit						25	i	i	i	i								
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	i	i	i	i								
							62.5	i	i	i	i								
							100	i	i	i	i								
							350	i	i	i	i								

DE Eval Cat 5e 305m (LA)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	58	None	None	305	1663	137	1	6.4	65.3	20.0		64.0	62.3		61.0				
3,6 - 3,6							4	12.4	56.3	23.0		52.0	53.3		49.0				
4,5 - 4,5							8	17.6	51.8	24.5		45.9	48.8		42.9				
7,8 - 7,8							10	19.8	50.3	25.0		44.0	47.3		41.0				
							16	25.2	47.2	25.0		39.9	44.2		36.9				
	This test may put tester in Long Comm mode giving a longer test time						20	28.3	45.8	25.0		38.0	42.8		35.0				
	10% length rule - will fail when length > 335 m						25	31.8	44.3	24.3		36.0	41.3		33.0				
	Not evaluated against the test limit						31.25	35.8	42.9	23.6		34.1	39.9		31.1				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	51.9	38.4	21.5		28.1	35.4		25.1				
	If FEXT is < 70 dB, not evaluated against the test limit						100	67.0	35.3	20.1		24.0	32.3		21.0				
	If PS FEXT is < 67 dB, not evaluated against the test limit																		

DE Eval Cat 6 305m (LA)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	58	None	None	305	1663	137	1	6.4	75.3	20.0		68.0	72.3		65.0				
3,6 - 3,6							4	11.7	66.3	23.0		56.0	63.3		53.0				
4,5 - 4,5							8	16.4	61.8	24.5		49.9	58.8		46.9				
7,8 - 7,8							10	18.3	60.3	25.0		48.0	57.3		45.0				
	This test may put tester in Long Comm mode giving a longer test time						16	23.2	57.2	25.0		43.9	54.2		40.9				
	10% length rule - will fail when length > 335 m						20	26.0	55.8	25.0		42.0	52.8		39.0				
	Not evaluated against the test limit						25	29.2	54.3	24.3		40.0	51.3		37.0				
	If Insertion Loss < 3 dB, not evaluated against the test limit						31.25	32.8	52.9	23.6		38.1	49.9		35.1				
	If FEXT is < 70 dB, not evaluated against the test limit						62.5	47.2	48.4	21.5		32.1	45.4		29.1				
	If PS FEXT is < 67 dB, not evaluated against the test limit						100	60.7	45.3	20.1		28.0	42.3		25.0				
							200	88.9	40.8	18.0		22.0	37.8		19.0				
							250	100.7	39.3	17.3		20.0	36.3		17.0				

DE Eval Cat 6A 305m (LA)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	58	None	None	305	1663	137	1	6.3	74.3	20.0		67.8	72.3		64.8				
3,6 - 3,6							4	11.6	65.3	23.0		55.8	63.3		52.8				
4,5 - 4,5							8	16.2	60.8	24.5		49.7	58.8		46.7				
7,8 - 7,8							10	18.1	59.3	25.0		47.8	57.3		44.8				
	This test may put tester in Long Comm mode giving a longer test time						16	22.8	56.2	25.0		43.7	54.2		40.7				
i	Informational measurement only, no limit available						20	25.6	54.8	25.0		41.8	52.8		38.8				
	10% length rule - will fail when length > 335 m						25	28.6	53.3	24.3		39.8	51.3		36.8				
	Not evaluated against the test limit						31.25	32.0	51.9	23.6		37.9	49.9		34.9				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	45.7	47.4	21.5		31.9	45.4		28.9				
	If FEXT is < 70 dB, not evaluated against the test limit						100	58.4	44.3	20.1		27.8	42.3		24.8				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	84.1	39.8	18.0		21.8	37.8		18.8				
							250	94.8	38.3	17.3		19.8	36.3		16.8				
							350	113.6	36.1	17.3		16.9	34.1		13.9				
							450	130.3	34.5	17.3		14.7	32.5		11.7				
							500	138.0	33.8	17.3		13.8	31.8		10.8				

DE Eval Cat 7 305m (LA)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	58	None	None	305	1663	137	1	6.1	80	20.0		80.0	77.0		77.0				
3,6 - 3,6							4	11.4	80.0	23.0		80.0	77.0		77.0				
4,5 - 4,5							8	16.0	80.0	24.5		75.9	77.0		72.9				
7,8 - 7,8							10	17.9	80.0	25.0		74.0	77.0		71.0				
	This test may put tester in Long Comm mode giving a longer test time						16	22.6	80.0	25.0		69.9	77.0		66.9				
i	Informational measurement only, no limit available						20	25.3	80.0	25.0		68.0	77.0		65.0				
	10% length rule - will fail when length > 335 m						25	28.3	80.0	24.3		66.0	77.0		63.0				
	Not evaluated against the test limit						31.25	31.8	80.0	23.6		64.1	77.0		61.1				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	45.4	75.5	21.5		58.1	72.5		55.1				
	If FEXT is < 70 dB, not evaluated against the test limit						100	58	72.4	20.1		54.0	69.4		51.0				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	83.8	67.9	18.0		48.0	64.9		45.0				
							250	94.5	66.4	17.3		46.0	63.4		43.0				
							350	113.4	64.2	17.3		43.1	61.2		40.1				
							450	130.2	62.6	17.3		40.9	59.6		37.9				
							500	138	61.9	17.3		40.0	58.9		37.0				
							600	152.8	60.7	17.3		38.4	57.7		35.4				

DE Eval Cat 7A 305m (LA)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1,2 - 1,2	58	None	None	305	1663	137	1	6.3	80	20.0		80.0	77.0		77.0				
3,6 - 3,6							4	11.4	80.0	23.0		80.0	77.0		77.0				
4,5 - 4,5							8	15.9	80.0	24.5		77.2	77.0		74.2				
7,8 - 7,8							10	17.8	80.0	25.0		75.3	77.0		72.3				
	This test may put tester in Long Comm mode giving a longer test time						16	22.4	80.0	25.0		71.2	77.0		68.2				
i	Informational measurement only, no limit available						20	25.0	80.0	25.0		69.3	77.0		66.3				
	10% length rule - will fail when length > 335 m						25	28.0	80.0	24.3		67.3	77.0		64.3				
	Not evaluated against the test limit						31.25	31.3	80.0	23.6		65.4	77.0		62.4				
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	44.5	78.5	21.5		59.4	75.5		56.4				
	If FEXT is < 70 dB, not evaluated against the test limit						100	56.5	75.4	20.1		55.3	72.4		52.3				
	If PS FEXT is < 67 dB, not evaluated against the test limit						200	80.7	70.9	18.0		49.3	67.9		46.3				
							250	90.7	69.4	17.3		47.3	66.4		44.3				
							350	108.1	67.2	17.3		44.4	64.2		41.4				
							450	123.4	65.6	17.3		42.2	62.6		39.2				
							500	130.4	64.9	17.3		41.3	61.9		38.3				
							600	143.7	63.7	17.3		39.7	60.7		36.7				
							700	156.0	62.7	14.2		38.4	59.7		35.4				
							800	167.5	61.9	13.8		37.2	58.9		34.2				
							900	178.5	61.1	13.4		36.2	58.1		33.2				
							1000	188.9	60.4	13.1		35.3	57.4		32.3				

TIA 568C.4 CATV RG6

Wire Map	Resistance	Impedance	HDTDR	Length	Prop. Delay	Freq.	Insertion Loss
	Ω	Ω	%	Max.	nS	MHz	dB
N/A	i	67 to 83	± 15	46	i	1	i
						5	3.0
Limit starts at 5 MHz and end at 1,002 MHz						8	3.0
						10	3.0
i	Informational measurement only, no limit available					16	3.0
						20	3.0
						25	3.0
						31.25	3.0
						62.5	3.0
						100	3.6
						200	5.1
						250	5.7
						350	6.7
						450	7.6
						500	8.0
						600	8.7
						700	9.4
						800	10.1
						900	10.7
						1002	11.2

TIA 568C.4 CATV RG11 SS1

Wire Map	Resistance	Impedance	HDTDR	Length	Prop. Delay	Freq.	Insertion Loss
	Ω	Ω	%	Max.	nS	MHz	dB
N/A	i	67 to 83	± 15	90	i	1	i
						5	3.0
Limit starts at 5 MHz and end at 1,002 MHz						8	3.0
						10	3.0
i	Informational measurement only, no limit available					16	3.0
						20	3.0
						25	3.0
						31.25	3.0
						62.5	3.3
						100	4.2
						200	6.0
						250	6.7
						350	8.0
						450	9.2
						500	9.7
						600	10.7
						700	11.7
						800	12.5
						900	13.4
						1002	14.2

TIA 568C.4 CATV RG11 SS2

Wire Map	Resistance	Impedance	HDTDR	Length	Prop. Delay	Freq.	Insertion Loss
	Ω	Ω	%	Max.	nS	MHz	dB
NA	i	67 to 83	± 15	100	i	1	i
						5	3.0
Limit starts at 5 MHz and end at 1,002 MHz						8	3.0
						10	3.0
i	Informational measurement only, no limit available					16	3.0
						20	3.0
						25	3.0
						31.25	3.0
						62.5	3.7
						100	4.6
						200	6.6
						250	7.4
						350	8.9
						450	10.1
						500	10.7
						600	11.8
						700	12.8
						800	13.8
						900	14.7
						1002	15.6

TIA 568C.4 CATV RG6 LS

Wire Map	Resistance	Impedance	HDTDR	Length	Prop. Delay	Freq.	Insertion Loss
	Ω	Ω	%	Max.	nS	MHz	dB
N/A	i	67 to 83	± 15	46	i		$IF(FREQ<5, NA, MAX(3, (LENGTH/100*(0.694*SQRT(FREQ)-0.0003*FREQ+0.89/SQRT(FREQ)))+(2*0.02*SQRT(FREQ))))$
						5	
This test limit is length dependent.						8	
Limit starts at 5 MHz and end at 1,002 MHz						10	
						16	
i	Informational measurement only, no limit available					20	
						25	
						31.25	
						62.5	
						100	
						200	
						250	
						350	
						450	
						500	
						600	
						700	
						800	
						900	
						1002	

TIA 568C.4 CATV RG11 SS1 LS

Wire Map	Resistance	Impedance	HDTDR	Length	Prop. Delay	Freq.	Insertion Loss
	Ω	Ω	%	Max.	nS	MHz	dB
NA	i	67 to 83	± 15	90	i		$IF(FREQ<5, NA, MAX(3, (LENGTH/100*(0.4*SQRT(FREQ)+0.00168*FREQ+0.77/SQRT(FREQ)))+(2*0.02*SQRT(FREQ))))$
This test limit is length dependent.						5	
Limit starts at 5 MHz and end at 1,002 MHz						8	
						10	
						16	
i	Informational measurement only, no limit available					20	
						25	
						31.25	
						62.5	
						100	
						200	
						250	
						350	
						450	
						500	
						600	
						700	
						800	
						900	
						1002	

TIA 568C.4 CATV RG11 SS2 LS

Wire Map	Resistance	Impedance	HDTDR	Length	Prop. Delay	Freq.	Insertion Loss
	Ω	Ω	%	Max.	nS	MHz	dB
NA	i	67 to 83	± 15	100	i		$IF(FREQ<5, NA, MAX(3, (LENGTH/100*(0.4*SQRT(FREQ)+0.00168*FREQ+0.77/SQRT(FREQ)))+(2*0.02*SQRT(FREQ))))$
This test limit is length dependent.						5	
Limit starts at 5 MHz and end at 1,002 MHz						8	
						10	
						16	
i	Informational measurement only, no limit available					20	
						25	
						31.25	
						62.5	
						100	
						200	
						250	
						350	
						450	
						500	
						600	
						700	
						800	
						900	
						1002	

DS3 734 Recommend LS

Wire Map	Resistance	Impedance	HDTDR	Length	Prop. Delay	Freq.	Insertion Loss
	Ω	Ω	%	Max.	nS	MHz	dB
N/A	i	67 to 83	± 15	137.2	None	1	$MAX(3, 1.1*(LENGTH/137.2*(1.145*SQRT(FREQ)+0.009*FREQ+0.2/SQRT(FREQ)))+(2*0.02*SQRT(FREQ)))$
This test limit is length dependent.						4	
Limit starts at 5 MHz and end at 100 MHz						8	
						10	
						16	
i	Informational measurement only, no limit available					20	
						25	
						31.25	
						62.5	
						100	

DS3 735 Recommend LS

Wire Map	Resistance	Resistance Unbalance	HDTDR	Length	Prop. Delay	Freq.	Insertion Loss
	Ω	Ω or %	%	Max.	nS	MHz	dB
	i	None	± 15	68.6	None	1	$MAX(3, 1.1*(LENGTH/68.6*(1.145*SQRT(FREQ)+0.009*FREQ+0.2/SQRT(FREQ)))+(2*0.02*SQRT(FREQ)))$
This test limit is length dependent.						4	
Limits starts at 1 MHz and end at 100 MHz						8	
						10	
						16	
i	Informational measurement only, no limit available					20	
						25	
						31.25	
						62.5	
						100	

DS3 RG6 Recommend LS

Wire Map	Resistance	Impedance	HDTDR	Length	Prop. Delay	Freq.	Insertion Loss
	Ω	Ω	%	Max.	nS	MHz	dB
N/A	i	67 to 83	± 15	137.2	i	1	$MAX(3, LENGTH/100 * (0.694 * SQRT(FREQ) - 0.0003 * FREQ + 0.89/SQRT(FREQ)) + (2 * 0.02 * SQRT(FREQ)))$
						4	
This test limit is length dependent.						8	
Limits starts at 1 MHz and end at 100 MHz						10	
Measurement runs to 350 MHz						16	
						20	
i	Informational measurement only, no limit available					25	
						31.25	
						62.5	
						100	

CCTV

Wire Map	Resistance	Impedance	HDTDR	Length	Prop. Delay	Freq.	Insertion Loss
	Ω	Ω	%	Max.	nS	MHz	dB
N/A	i	67 to 83	± 15	i	i	1	i
						4	i
						8	i
						10	i
						16	i
						20	i
i	Informational measurement only, no limit available					25	i
						31.25	i
						62.5	i
						100	i
						200	i
						250	i
						350	i

General 50 Ohm COAX

Wire Map	Resistance	Impedance	HDTDR	Length	Prop. Delay	Freq.	Insertion Loss
	Ω	Ω	%	Max.	nS	MHz	dB
N/A	i	42 to 58	± 15	i	i	1	i
						4	i
						8	i
						10	i
						16	i
						20	i
i	Informational measurement only, no limit available					25	i
						31.25	i
						62.5	i
						100	i
						200	i
						250	i
						350	i

General 75 Ohm COAX

Wire Map	Resistance	Impedance	HDTDR	Length	Prop. Delay	Freq.	Insertion Loss
	Ω	Ω	%	Max.	nS	MHz	dB
N/A	i	67 to 83	± 15	i	i	1	i
						4	i
						8	i
						10	i
						16	i
						20	i
i	Informational measurement only, no limit available					25	i
						31.25	i
						62.5	i
						100	i
						200	i
						250	i
						350	i

Coax Cables

Wire Map	Resistance	Impedance	HDTDR	Length	Prop. Delay	Freq.	Insertion Loss
	Ω	Ω	%	Max.	nS	MHz	dB
N/A	i	*	± 15	i	i	1	i
						4	i
*Impedance Limit depends on cable type						8	i
For 50 Ω, the limit is 42 Ω to 58 Ω						10	i
For 75 Ω, the limit is 67 Ω to 83 Ω						16	i
For 93 Ω, the limit is 85 Ω to 101 Ω						20	i
						25	i
i	Informational measurement only, no limit available					31.25	i
						62.5	i
						100	i
						200	i
						250	i
						350	i

10BASE-2

Wire Map	Resistance	Impedance	HDTDR	Length	Prop. Delay	Freq.	Insertion Loss
	Ω	Ω	%	Max.	nS	MHz	dB
N/A	i	42 to 58	± 15	185	i	1	i
						4	i
						8	7.5
						10	8.5
						16	i
						20	i
						25	i
i	Informational measurement only, no limit available					31.25	i
						62.5	i
						100	i
						200	i
						250	i
						350	i

10BASE-5

Wire Map	Resistance	Impedance	HDTDR	Length	Prop. Delay	Freq.	Insertion Loss
	Ω	Ω	%	Max.	nS	MHz	dB
N/A	i	42 to 58	± 15	500	i	1	i
						4	i
						8	7.5
						10	8.5
						16	i
						20	i
						25	i
i	Informational measurement only, no limit available					31.25	i
						62.5	i
						100	i
						200	i
						250	i
						350	i

CertiFiber® Pro

Test Limits for Version 6.2 Build 1

ANSI/TIA-568.3-D has been replaced with AN SI/ TIA-568.3-D-1

10/100BASE-SX

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1, OM1 160, OM2, OM2 400, OM3, OM4, OM5				4								300

1000BASE-LX

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OS1, OS2						4.7						5000
OM1, OM1 160, OM2, OM2 400, OM3, OM4, (					2.35							550

1000BASE-SX

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1 160				2.38								220
OM1				2.6								275
OM2 400				3.37								400
OM2, OM3, OM4, OM5				3.56								550

100BASE-FX

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1, OM1 160					11							2000
OM2, OM2 400, OM3, OM4, OM5					6.3							2000

100GBASE-ER4

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OS1, OS2						15						30000

100GBASE-LR4

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OS1, OS2						6.3						10000

100GBASE-SR10

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM3				1.9								100
OM4, OM5				1.5								150

100GBASE-SR4

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM3				1.8								70
OM4, OM5				1.9								100

10BASE-FL

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1, OM1 160				12.5								2000
OM2, OM2 400, OM3, OM4, OM5				7.8								2000

10GBASE-E

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OS1, OS2							11					40000

10GBASE-L

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OS1, OS2						6.2						10000

10GBASE-LRM

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1, OM1 160, OM2, OM2 400, OM3, OM4, (				1.9								220
OS1, OS2						1.9						220

10GBASE-LX4

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OS1, OS2						6.3						10000
OM1					2.5							300
OM2 400					2							240
OM2, OM3, OM4, OM5					2							300

10GBASE-SR

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1 160				2.6								26
OM1				2.4								33
OM2 400				2.2								66
OM2				2.3								82
OM3				2.6								300
OM4, OM5				2.9								400

40GBASE-ER4 *** Has a minimum loss requirement of 9.0 dB @ 1310 nm**

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OS1, OS2						18.5*						30000

40GBASE-FR

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OS2							4					2000

40GBASE-LR4

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OS1, OS2						6.7						10000

40GBASE-SR4

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM3				1.9								100
OM4, OM5				1.5								150

ATM155

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1, OM1 160, OM2, OM2 400, OM3, OM4, C					10							2000

ATM155SWL

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1, OM1 160, OM2, OM2 400, OM3, OM4, C				7.2								1000

ATM52

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1, OM1 160, OM2, OM2 400, OM3, OM4, C					10							3000

ATM622 Fiber Optic

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1, OM1 160, OM2, OM2 400, OM3, OM4, C					6							500

ATM622SWL Fiber Optic

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1, OM1 160, OM2, OM2 400, OM3, OM4, C				4								300

FDDI Fiber Optic

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1, OM1 160, OM2, OM2 400, OM3, OM4, C					11							2000

Fibre Channel 100-M5-SN-I

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM2, OM3, OM4, OM5				3.85								500

Fibre Channel 100-M5E-SN-I

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM2, OM3, OM4, OM5				4.62								860

Fibre Channel 100-M6-SN-I

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1				3								300

Fibre Channel 100-SM-LC-L

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OS1, OS2						7.8						10000

Fibre Channel 1200-M5-SN-I

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM2, OM3, OM4, OM5				2.2								82

Fibre Channel 1200-M5E-SN-I

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM2, OM3, OM4, OM5				2.6								300

Fibre Channel 1200-M6-SN-I

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1				2.4								33

Fibre Channel 1200-SM-LC-L

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OS1, OS2						6						10000

Fibre Channel 133

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1, OM1 160, OM2, OM2 400, OM3, OM4, (					6							1500

Fibre Channel 1600-M5-SN-S

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM2, OM3, OM4, OM5				1.63								35

Fibre Channel 1600-M5E-SN-I

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM3, OM4, OM5				1.86								100

Fibre Channel 1600-M5F-SN-I

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM4, OM5				1.95								125

Fibre Channel 1600-SM-LC-L

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OS1, OS2						6.4						10000

Fibre Channel 200-M5-SN-I

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM2, OM3, OM4, OM5				2.62								300

Fibre Channel 200-M5E-SN-I

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM2, OM3, OM4, OM5				3.31								500

Fibre Channel 200-M6-SN-I

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1				2.1								150

Fibre Channel 200-SM-LC-L

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OS1, OS2						7.8						10000

Fibre Channel 266

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM2, OM2 400, OM3, OM4, OM5					5.5							1500
OM1, OM1 160					6							1500

Fibre Channel 266SWL

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1, OM1 160				12								700
OM2, OM2 400, OM3, OM4, OM5				12								2000

Fibre Channel 400-M5-SN-I

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM2, OM3, OM4, OM5				2.06								150

Fibre Channel 400-M5E-SN-I

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM3, OM4, OM5				2.88								380

Fibre Channel 400-M5F-SN-I

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM4, OM5				2.95								400

Fibre Channel 400-M6-SN-I

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1				1.78								70

Fibre Channel 400-SM-LC-L

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OS1, OS2						7.8						10000

Fibre Channel 400-SM-LC-M

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OS1, OS2						4.8						4000

Fibre Channel 800-M5-SN-S

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM2, OM3, OM4, OM5				1.68								50

Fibre Channel 800-M5E-SN-I

Cable Type	Adapter Loss dB	Adapter Loss First & Last dB	Splice Loss dB	850 nm Fixed Loss dB	1300 nm Fixed Loss dB	1310 nm Fixed Loss dB	1550 nm Fixed Loss dB	850 nm Loss/km dB	1300 nm Loss/km dB	1310 nm Loss/km dB	1550 nm Loss/km dB	Length m
OM3, OM4, OM5				2.04								150

Fibre Channel 800-M5F-SN-I

Cable Type	Adapter Loss dB	Adapter Loss First & Last dB	Splice Loss dB	850 nm Fixed Loss dB	1300 nm Fixed Loss dB	1310 nm Fixed Loss dB	1550 nm Fixed Loss dB	850 nm Loss/km dB	1300 nm Loss/km dB	1310 nm Loss/km dB	1550 nm Loss/km dB	Length m
OM4, OM5				2.19								190

Fibre Channel 800-SM-LC-I

Cable Type	Adapter Loss dB	Adapter Loss First & Last dB	Splice Loss dB	850 nm Fixed Loss dB	1300 nm Fixed Loss dB	1310 nm Fixed Loss dB	1550 nm Fixed Loss dB	850 nm Loss/km dB	1300 nm Loss/km dB	1310 nm Loss/km dB	1550 nm Loss/km dB	Length m
OS1, OS2						2.6						1400

Fibre Channel 800-SM-LC-L

Cable Type	Adapter Loss dB	Adapter Loss First & Last dB	Splice Loss dB	850 nm Fixed Loss dB	1300 nm Fixed Loss dB	1310 nm Fixed Loss dB	1550 nm Fixed Loss dB	850 nm Loss/km dB	1300 nm Loss/km dB	1310 nm Loss/km dB	1550 nm Loss/km dB	Length m
OS1, OS2						6.4						10000

GB 50312-2007 Fiber Link

Cable Type	Adapter Loss dB	Adapter Loss First & Last dB	Splice Loss dB	850 nm Fixed Loss dB	1300 nm Fixed Loss dB	1310 nm Fixed Loss dB	1550 nm Fixed Loss dB	850 nm Loss/km dB	1300 nm Loss/km dB	1310 nm Loss/km dB	1550 nm Loss/km dB	Length m
OS1	0.75		0.3							1	1	5000
OS2	0.75		0.3							0.4	0.4	5000
OM1, OM1 160, OM2, OM2 400, OM3, OM4, (	0.75		0.3					3.5	1.5			2000

GB 50312-2007 OF-2000 Ch

Cable Type	Adapter Loss dB	Adapter Loss First & Last dB	Splice Loss dB	850 nm Fixed Loss dB	1300 nm Fixed Loss dB	1310 nm Fixed Loss dB	1550 nm Fixed Loss dB	850 nm Loss/km dB	1300 nm Loss/km dB	1310 nm Loss/km dB	1550 nm Loss/km dB	Length m
OS1, OS2						3.5	3.5					2000
OM1, OM1 160, OM2, OM2 400, OM3, OM4, (				8.5	4.5							2000

GB 50312-2007 OF-300 Ch

Cable Type	Adapter Loss dB	Adapter Loss First & Last dB	Splice Loss dB	850 nm Fixed Loss dB	1300 nm Fixed Loss dB	1310 nm Fixed Loss dB	1550 nm Fixed Loss dB	850 nm Loss/km dB	1300 nm Loss/km dB	1310 nm Loss/km dB	1550 nm Loss/km dB	Length m
OS1, OS2						1.8	1.8					300
OM1, OM1 160, OM2, OM2 400, OM3, OM4, (				2.55	1.95							300

GB 50312-2007 OF-500 Ch

Cable Type	Adapter Loss dB	Adapter Loss First & Last dB	Splice Loss dB	850 nm Fixed Loss dB	1300 nm Fixed Loss dB	1310 nm Fixed Loss dB	1550 nm Fixed Loss dB	850 nm Loss/km dB	1300 nm Loss/km dB	1310 nm Loss/km dB	1550 nm Loss/km dB	Length m
OS1, OS2						2	2					500
OM1, OM1 160, OM2, OM2 400, OM3, OM4, (				3.25	2.25							500

EN50173 Fiber Optic Link

Cable Type	Adapter Loss dB	Adapter Loss First & Last dB	Splice Loss dB	850 nm Fixed Loss dB	1300 nm Fixed Loss dB	1310 nm Fixed Loss dB	1550 nm Fixed Loss dB	850 nm Loss/km dB	1300 nm Loss/km dB	1310 nm Loss/km dB	1550 nm Loss/km dB	Length m
OS1	0.75		0.3							1	1	2000
OS2	0.75		0.3							0.4	0.4	10000
OM1, OM1 160, OM2, OM2 400, OM3, OM4, (	0.75		0.3					3.5	1.5			2000

EN50173 OF-2000 Channel

Cable Type	Adapter Loss dB	Adapter Loss First & Last dB	Splice Loss dB	850 nm Fixed Loss dB	1300 nm Fixed Loss dB	1310 nm Fixed Loss dB	1550 nm Fixed Loss dB	850 nm Loss/km dB	1300 nm Loss/km dB	1310 nm Loss/km dB	1550 nm Loss/km dB	Length m
OS1, OS2						3.5	3.5					2000
OM1, OM1 160, OM2, OM2 400, OM3, OM4, (				8.5	4.5							2000

EN50173 OF-300 Channel

Cable Type	Adapter Loss dB	Adapter Loss First & Last dB	Splice Loss dB	850 nm Fixed Loss dB	1300 nm Fixed Loss dB	1310 nm Fixed Loss dB	1550 nm Fixed Loss dB	850 nm Loss/km dB	1300 nm Loss/km dB	1310 nm Loss/km dB	1550 nm Loss/km dB	Length m
OS1, OS2						1.8	1.8					300
OM1, OM1 160, OM2, OM2 400, OM3, OM4, (				2.55	1.95							300

EN50173 OF-500 Channel

Cable Type	Adapter Loss dB	Adapter Loss First & Last dB	Splice Loss dB	850 nm Fixed Loss dB	1300 nm Fixed Loss dB	1310 nm Fixed Loss dB	1550 nm Fixed Loss dB	850 nm Loss/km dB	1300 nm Loss/km dB	1310 nm Loss/km dB	1550 nm Loss/km dB	Length m
OS1, OS2						2	2					500
OM1, OM1 160, OM2, OM2 400, OM3, OM4, (				3.25	2.25							500

ISO/IEC 11801-2002 Fibre Link

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OS1	0.75		0.3							1	1	5000
OS2	0.75		0.3							0.4	0.4	5000
OM1, OM1 160, OM2, OM2 400, OM3, OM4, C	0.75		0.3					3.5	1.5			2000

ISO/IEC 11801-2002 OF-2000 CH

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OS1, OS2						3.5	3.5					2000
OM1, OM1 160, OM2, OM2 400, OM3, OM4, C				8.5	4.5							2000

ISO/IEC 11801-2002 OF-300 CH

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OS1, OS2						1.8	1.8					300
OM1, OM1 160, OM2, OM2 400, OM3, OM4, C				2.55	1.95							300

ISO/IEC 11801-2002 OF-500 CH

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OS1, OS2						2	2					500
OM1, OM1 160, OM2, OM2 400, OM3, OM4, C				3.25	2.25							500

ISO/IEC 14763-3:2006

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OS1	0.75	0.5	0.3							1	1	5000
OS2	0.75	0.5	0.3							0.4	0.4	5000
OM1, OM1 160, OM2, OM2 400, OM3, OM4, C	0.75	0.3	0.3					3.5	1.5			2000

ISO/IEC 14763-3:2014

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OS1	0.75	0.75	0.3							1	1	5000
OS2	0.75	0.75	0.3							0.4	0.4	5000
OM1, OM1 160, OM2, OM2 400, OM3, OM4, C	0.75	0.5	0.3					3.5	1.5			2000

JIS X5150-2004 Fibre Link

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OS1	0.75		0.3							1	1	5000
OS2	0.75		0.3							0.4	0.4	5000
OM1, OM1 160, OM2, OM2 400, OM3, OM4, C	0.75		0.3					3.5	1.5			2000

JIS X5150:2016 Fibre Link

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OS1	0.75	0.75	0.3							1	1	5000
OS2	0.75	0.75	0.3							0.4	0.4	5000
OM1, OM1 160, OM2, OM2 400, OM3, OM4, C	0.75	0.5	0.3					3.5	1.5			2000

JIS X5150:2016 OF-2000 CH

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OS1, OS2						3.5	3.5					2000
OM1, OM1 160, OM2, OM2 400, OM3, OM4, C				8.5	4.5							2000

JIS X5150:2016 OF-300 CH

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OS1, OS2						1.8	1.8					300
OM1, OM1 160, OM2, OM2 400, OM3, OM4, C				2.55	1.95							300

JIS X5150:2016 OF-500 CH

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OS1, OS2						2	2					500
OM1, OM1 160, OM2, OM2 400, OM3, OM4, C				3.25	2.25							500

JIS X5151:2018 Fibre Link

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
OS1	0.75	0.75	0.3							1	1	
OS2	0.75	0.75	0.3							0.4	0.4	
OM1, OM1_160, OM2, OM2_400, OM3, OM4	0.75	0.5	0.3					3.5				
OM5	0.75	0.5	0.3					3				

Korean Fiber 11dB (2004)

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
OS1, OS2						11	11					
OM1, OM1_160, OM2, OM2_400, OM3, OM4,				11	11							

Korean Fiber 12dB (2004)

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
OS1, OS2						12	12					
OM1, OM1_160, OM2, OM2_400, OM3, OM4,				12	12							

Korean Emblem MMF-Outlet

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
OM1, OM1_160, OM2, OM2_400, OM3, OM4,				1.5	1.5							

Korean Emblem MMF-Premises

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
OM1, OM1_160, OM2, OM2_400, OM3, OM4,				11.5	7.5							

Korean Emblem SMF-Outlet

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
OS1, OS2						1.5	1.5					

Korean Emblem SMF-Premises

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
OS1, OS2						5.5	5.5					

Korean Pre-Deploy Comm SM

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
OS1, OS2						7	7					

Korean Pre-Deploy Comm MM

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
OM1, OM1_160, OM2, OM2_400, OM3, OM4,				13	9							

Korean Pre-Deploy Res. SM

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
OS1, OS2						3.45	3.45					

General Fiber Optic

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OS1, OS2						6.5	6.5					5000
OM1, OM1 160, OM2, OM2 400, OM3, OM4, (				8.5	4.5							2000

GOST R 53245-2008 Backbone

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1, OM1 160, OM2, OM2 400, OM3, OM4, (	0.75		0.3					3.5	1.5			2000

GOST R 53245-2008 Fiber Horiz

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1, OM1 160, OM2, OM2 400, OM3, OM4, (				2	2							90

TIA-568.3-D-1 Multimode (REF)

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1, OM1 160, OM2, OM2 400, OM3, OM4, C	0.75	0.5	0.3					3	1.5			2000

TIA-568.3-D-1 Multimode (STD)

Cable Type	Adapter Los	Adapter Los First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1, OM1 160, OM2, OM2 400, OM3, OM4, C	0.75	0.75	0.3					3	1.5			2000

TIA-568.3-D-1 Singlemode ISP (REF)

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OS1, OS2	0.75	0.5	0.3							1	1	40000

TIA-568.3-D-1 Singlemode ISP (STD)

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OS1, OS2	0.75	0.75	0.3							1	1	40000

TIA-568.3-D-1 Singlemode OSP (REF)

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OS1	0.75	0.5	0.3							0.5	0.5	40000
OS2	0.75	0.5	0.3							0.4	0.4	40000

TIA-568.3-D-1 Singlemode OSP (STD)

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OS1	0.75	0.75	0.3							0.5	0.5	40000
OS2	0.75	0.75	0.3							0.4	0.4	40000

OptiFiber® Pro

Test Limits for Version 6.2 Build 1

TIA-568.3-D has been replaced with TIA-568.3-D-1

10/100BASE-SX

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1, OM1 160, OM2, OM2 400, OM3, OM4, OM5				4.00									300

1000BASE-LX

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OS1, OS2						4.70							5000
OM1, OM1 160, OM2, OM2 400, OM3, OM4, C					2.35								550

1000BASE-SX

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1 160				2.38									220
OM1				2.60									275
OM2 400				3.37									400
OM2, OM3, OM4, OM5				3.56									550

100BASE-FX

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1, OM1 160					11.00								2000
OM2, OM2 400, OM3, OM4, OM5					6.30								2000

100GBASE-ER4

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OS1, OS2						15.00							30000

100GBASE-LR4

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OS1, OS2						6.30							10000

100GBASE-SR10

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM3				1.90									100
OM4, OM5				1.50									150

100GBASE-SR4

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM3				1.80									70
OM4, OM5				1.90									100

10BASE-FL

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1, OM1 160				12.50									2000
OM2, OM2 400, OM3, OM4, OM5				7.80									2000

10GBASE-E

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OS1, OS2							11.00						40000

10GBASE-L

	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OS1, OS2						6.20							10000

10GBASE-LRM

	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1, OM1 160, OM2, OM2 400, OM3, OM4, C				1.90									220
OS1, OS2						1.90							220

10GBASE-LX4

Cable Type	Adapter Loss dB	Adapter Loss First & Last dB	Splice Loss dB	850 nm Fixed Loss dB	1300 nm Fixed Loss dB	1310 nm Fixed Loss dB	1550 nm Fixed Loss dB	850 nm Loss/km dB	1300 nm Loss/km dB	1310 nm Loss/km dB	1550 nm Loss/km dB	Reflectance dB	Length m
OS1, OS2						6.30							10000
OM1					2.50								300
OM2 400					2.00								240
OM2, OM3, OM4, OM5													

10GBASE-SR

Cable Type	Adapter Loss dB	Adapter Loss First & Last dB	Splice Loss dB	850 nm Fixed Loss dB	1300 nm Fixed Loss dB	1310 nm Fixed Loss dB	1550 nm Fixed Loss dB	850 nm Loss/km dB	1300 nm Loss/km dB	1310 nm Loss/km dB	1550 nm Loss/km dB	Reflectance dB	Length m
OM1 160				2.60									26
OM1				2.40									33
OM2 400				2.20									66
OM3				2.60									300
OM4, OM5				2.90									400

40GBASE-ER4 * Has a minimum loss requirement of 9.0 dB @ 1310 nm

Cable Type	Adapter Loss dB	Adapter Loss First & Last dB	Splice Loss dB	850 nm Fixed Loss dB	1300 nm Fixed Loss dB	1310 nm Fixed Loss dB	1550 nm Fixed Loss dB	850 nm Loss/km dB	1300 nm Loss/km dB	1310 nm Loss/km dB	1550 nm Loss/km dB	Reflectance dB	Length m
OS1, OS2						18.50							30000

40GBASE-FR

Cable Type	Adapter Loss dB	Adapter Loss First & Last dB	Splice Loss dB	850 nm Fixed Loss dB	1300 nm Fixed Loss dB	1310 nm Fixed Loss dB	1550 nm Fixed Loss dB	850 nm Loss/km dB	1300 nm Loss/km dB	1310 nm Loss/km dB	1550 nm Loss/km dB	Reflectance dB	Length m
OS2							4.00						2000

40GBASE-LR4

Cable Type	Adapter Loss dB	Adapter Loss First & Last dB	Splice Loss dB	850 nm Fixed Loss dB	1300 nm Fixed Loss dB	1310 nm Fixed Loss dB	1550 nm Fixed Loss dB	850 nm Loss/km dB	1300 nm Loss/km dB	1310 nm Loss/km dB	1550 nm Loss/km dB	Reflectance dB	Length m
OS1, OS2						6.70							10000

40GBASE-SR4

Cable Type	Adapter Loss dB	Adapter Loss First & Last dB	Splice Loss dB	850 nm Fixed Loss dB	1300 nm Fixed Loss dB	1310 nm Fixed Loss dB	1550 nm Fixed Loss dB	850 nm Loss/km dB	1300 nm Loss/km dB	1310 nm Loss/km dB	1550 nm Loss/km dB	Reflectance dB	Length m
OM3				1.90									100
OM4, OM5				1.50									150

ATM155

Cable Type	Adapter Loss dB	Adapter Loss First & Last dB	Splice Loss dB	850 nm Fixed Loss dB	1300 nm Fixed Loss dB	1310 nm Fixed Loss dB	1550 nm Fixed Loss dB	850 nm Loss/km dB	1300 nm Loss/km dB	1310 nm Loss/km dB	1550 nm Loss/km dB	Reflectance dB	Length m
OM1, OM1 160, OM2, OM2 400, OM3, OM4, C					10.00								2000

ATM155SWL

Cable Type	Adapter Loss dB	Adapter Loss First & Last dB	Splice Loss dB	850 nm Fixed Loss dB	1300 nm Fixed Loss dB	1310 nm Fixed Loss dB	1550 nm Fixed Loss dB	850 nm Loss/km dB	1300 nm Loss/km dB	1310 nm Loss/km dB	1550 nm Loss/km dB	Reflectance dB	Length m
OM1, OM1 160, OM2, OM2 400, OM3, OM4, C				7.20									1000

ATM52

Cable Type	Adapter Loss dB	Adapter Loss First & Last dB	Splice Loss dB	850 nm Fixed Loss dB	1300 nm Fixed Loss dB	1310 nm Fixed Loss dB	1550 nm Fixed Loss dB	850 nm Loss/km dB	1300 nm Loss/km dB	1310 nm Loss/km dB	1550 nm Loss/km dB	Reflectance dB	Length m
OM1, OM1 160, OM2, OM2 400, OM3, OM4, C					10.00								3000

ATM622 Fiber Optic

Cable Type	Adapter Loss dB	Adapter Loss First & Last dB	Splice Loss dB	850 nm Fixed Loss dB	1300 nm Fixed Loss dB	1310 nm Fixed Loss dB	1550 nm Fixed Loss dB	850 nm Loss/km dB	1300 nm Loss/km dB	1310 nm Loss/km dB	1550 nm Loss/km dB	Reflectance dB	Length m
OM1, OM1 160, OM2, OM2 400, OM3, OM4, C					6.00								500

ATM622SWL Fiber Optic

Cable Type	Adapter Loss dB	Adapter Loss First & Last dB	Splice Loss dB	850 nm Fixed Loss dB	1300 nm Fixed Loss dB	1310 nm Fixed Loss dB	1550 nm Fixed Loss dB	850 nm Loss/km dB	1300 nm Loss/km dB	1310 nm Loss/km dB	1550 nm Loss/km dB	Reflectance dB	Length m
OM1, OM1 160, OM2, OM2 400, OM3, OM4, C				4.00									300

FDDI Fiber Optic

Cable Type	Adapter Loss dB	Adapter Loss First & Last dB	Splice Loss dB	850 nm Fixed Loss dB	1300 nm Fixed Loss dB	1310 nm Fixed Loss dB	1550 nm Fixed Loss dB	850 nm Loss/km dB	1300 nm Loss/km dB	1310 nm Loss/km dB	1550 nm Loss/km dB	Reflectance dB	Length m
OM1, OM1 160, OM2, OM2 400, OM3, OM4, C					11.00								2000

Fibre Channel 100-M5-SN-I

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM2, OM3, OM4, OM5				3.85									500

Fibre Channel 100-M5E-SN-I

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM2, OM3, OM4, OM5				4.62									860

Fibre Channel 100-M6-SN-I

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1				3.00									300

Fibre Channel 100-SM-LC-L

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OS1, OS2						7.80							10000

Fibre Channel 1200-M5-SN-I

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM2, OM3, OM4, OM5				2.20									82

Fibre Channel 1200-M5E-SN-I

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM2, OM3, OM4, OM5				2.60									300

Fibre Channel 1200-M6-SN-I

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1				2.40									33

Fibre Channel 1200-SM-LC-L

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OS1, OS2						6.00							10000

Fibre Channel 133

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1, OM1 160, OM2, OM2 400, OM3, OM4, C					6.00								1500

Fibre Channel 1600-M5-SN-S

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM2, OM3, OM4, OM5				1.63									35

Fibre Channel 1600-M5E-SN-I

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM3, OM4, OM5				1.86									100

Fibre Channel 1600-M5F-SN-I

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM4, OM5				1.95									125

Fibre Channel 1600-SM-LC-L

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OS1, OS2						6.40							10000

Fibre Channel 200-M5-SN-I

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM2, OM3, OM4, OM5				2.62									300

Fibre Channel 200-M5E-SN-I

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM2, OM3, OM4, OM5				3.31									500

Fibre Channel 200-M6-SN-I

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1				2.10									150

Fibre Channel 200-SM-LC-L

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OS1, OS2						7.80							10000

Fibre Channel 266

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM2, OM2 400, OM3, OM4, OM5					5.50								1500
OM1, OM1 160					6.00								1500

Fibre Channel 266SWL

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1, OM1 160				12.00									700
OM2, OM2 400, OM3, OM4, OM5				12.00									2000

Fibre Channel 400-M5-SN-I

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM2, OM3, OM4, OM5				2.06									150

Fibre Channel 400-M5E-SN-I

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM3, OM4, OM5				2.88									380

Fibre Channel 400-M5F-SN-I

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM4, OM5				2.95									400

Fibre Channel 400-M6-SN-I

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1				1.78									70

Fibre Channel 400-SM-LC-L

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OS1, OS2						7.80							10000

Fibre Channel 400-SM-LC-M

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OS1, OS2						4.80							4000

Fibre Channel 800-M5-SN-S

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM2, OM3, OM4, OM5				1.68									50

Fibre Channel 800-M5E-SN-I

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM3, OM4, OM5				2.04									150

Fibre Channel 800-M5F-SN-I

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM4, OM5				2.19									190

Fibre Channel 800-SM-LC-I

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OS1, OS2						2.60							1400

Fibre Channel 800-SM-LC-L

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OS1, OS2						6.40							10000

ISO/IEC 11801-2002 Fibre Link

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1, OM1 160, OM2, OM2 400, OM3, OM4, C	0.75		0.30										2000
OS1, OS2	0.75		0.30										5000

ISO/IEC 11801-2002 OF-2000 CH

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1, OM1 160, OM2, OM2 400, OM3, OM4, C				8.50	4.50								2000
OS1, OS2						3.50	3.50						2000

ISO/IEC 11801-2002 OF-300 CH

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1, OM1 160, OM2, OM2 400, OM3, OM4, C				2.55	1.95								300
OS1, OS2						1.80	1.80						300

ISO/IEC 11801-2002 OF-500 CH

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1, OM1 160, OM2, OM2 400, OM3, OM4, C				3.25	2.25								500
OS1, OS2						2.00	2.00						500

ISO/IEC 11801-2010

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1, OM1 160, OM2, OM2 400, OM3, OM4, C	0.75	0.30	0.30					3.50	1.50			-20.00	2000
OS1	0.75	0.50	0.30							1.00	1.00	-35.00	5000
OS2	0.75	0.50	0.30							0.40	0.40	-35.00	5000

ISO/IEC 11801-2010 no RL

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1, OM1 160, OM2, OM2 400, OM3, OM4, C	0.75	0.30	0.30					3.50	1.50				2000
OS1	0.75	0.50	0.30							1.00	1.00		5000
OS2	0.75	0.50	0.30							0.40	0.40		5000

ISO/IEC 14763-3

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1, OM1 160, OM2, OM2 400, OM3, OM4, C	0.75	0.30	0.30					3.50	1.50				2000
OS1	0.75	0.50	0.30							1.00	1.00		5000
OS2	0.75	0.50	0.30							0.40	0.40		5000

ISO/IEC 14763-3 Permanent Link

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1, OM1 160, OM2, OM2 400, OM3, OM4, O		0.30						3.50	1.50				2000
OS1		0.50								1.00	1.00		5000
OS2		0.50								0.40	0.40		5000

ISO/IEC 14763-3:2014

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1, OM1 160, OM2, OM2 400, OM3, OM4, O	0.75	0.50	0.30					3.50	1.50				2000
OS1	0.75	0.75	0.30							1.00	1.00		5000
OS2	0.75	0.75	0.30							0.40	0.40		5000

ISO/IEC 14763-3:2014 Permanent Link

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	2000
OM1, OM1 160, OM2, OM2 400, OM3, OM4, O		0.50						3.50	1.50				
OS1		0.75								1.00	1.00		5000
OS2		0.75								0.40	0.40		

JIS X5150-2004 Fibre Link

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1, OM1 160, OM2, OM2 400, OM3, OM4, O	0.75		0.30										2000
OS1, OS2	0.75		0.30										5000

JIS X5155:2016 Fibre Link

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1, OM1 160, OM2, OM2 400, OM3, OM4, O	0.75	0.50	0.30					3.50	1.50				2000
OS1	0.75	0.75	0.30							1.00	1.00		5000
OS2	0.75	0.75	0.30							0.40	0.40		

JIS X5155:2016 Fibre Link RL = 20 dB

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1, OM1 160, OM2, OM2 400, OM3, OM4, O	0.75	0.50	0.30					3.50	1.50			-20.00	2000
OS1	0.75	0.75	0.30							1.00	1.00	-20.00	5000
OS2	0.75	0.75	0.30							0.40	0.40	-20.00	

JIS X5155:2016 Fibre Link RL = 35 dB

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1, OM1 160, OM2, OM2 400, OM3, OM4, O	0.75	0.50	0.30					3.50	1.50			-35.00	3500
OS1	0.75	0.75	0.30							1.00	1.00	-35.00	5000
OS2	0.75	0.75	0.30							0.40	0.40	-35.00	

JIS X5155:2016 Fibre Link RL = 55 dB

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1, OM1 160, OM2, OM2 400, OM3, OM4, O	0.75	0.50	0.30					3.50	1.50			-55.00	5500
OS1	0.75	0.75	0.30							1.00	1.00	-55.00	5000
OS2	0.75	0.75	0.30							0.40	0.40	-55.00	

JIS X5150:2016 OF-2000 CH

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1, OM1 160, OM2, OM2 400, OM3, OM4, O				8.50	4.50								2000
OS1, OS2						3.50	3.50						2000

JIS X5150:2016 OF-300 CH

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1, OM1 160, OM2, OM2 400, OM3, OM4, O				2.55	1.95								300
OS1, OS2						1.80	1.80						300

JIS X5150:2016 OF-500 CH

Cable Type	Adapter Loss	Adapter Loss First & Last	Splice Loss	850 nm Fixed Loss	1300 nm Fixed Loss	1310 nm Fixed Loss	1550 nm Fixed Loss	850 nm Loss/km	1300 nm Loss/km	1310 nm Loss/km	1550 nm Loss/km	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1, OM1 160, OM2, OM2 400, OM3, OM4, O				3.25	2.25								500
OS1, OS2						2.00	2.00						500

Document only

Cable Type	Adapter Loss dB	Adapter Loss First & Last dB	Splice Loss dB	850 nm Fixed Loss dB	1300 nm Fixed Loss dB	1310 nm Fixed Loss dB	1550 nm Fixed Loss dB	850 nm Loss/km dB	1300 nm Loss/km dB	1310 nm Loss/km dB	1550 nm Loss/km dB	Reflectance dB	Length m
Any													

General Fiber

Cable Type	Adapter Loss dB	Adapter Loss First & Last dB	Splice Loss dB	850 nm Fixed Loss dB	1300 nm Fixed Loss dB	1310 nm Fixed Loss dB	1550 nm Fixed Loss dB	850 nm Loss/km dB	1300 nm Loss/km dB	1310 nm Loss/km dB	1550 nm Loss/km dB	Reflectance dB	Length m
OM1, OM1 160, OM2, OM2 400, OM3, OM4, O	0.75		0.30										
OS1, OS2	0.75		0.30										

General Fiber RL -35dB

Cable Type	Adapter Loss dB	Adapter Loss First & Last dB	Splice Loss dB	850 nm Fixed Loss dB	1300 nm Fixed Loss dB	1310 nm Fixed Loss dB	1550 nm Fixed Loss dB	850 nm Loss/km dB	1300 nm Loss/km dB	1310 nm Loss/km dB	1550 nm Loss/km dB	Reflectance dB	Length m
OM1, OM1 160, OM2, OM2 400, OM3, OM4, O	0.75		0.30									-35.00	
OS1, OS2	0.75		0.30									-35.00	

General Fiber RL -40dB

Cable Type	Adapter Loss dB	Adapter Loss First & Last dB	Splice Loss dB	850 nm Fixed Loss dB	1300 nm Fixed Loss dB	1310 nm Fixed Loss dB	1550 nm Fixed Loss dB	850 nm Loss/km dB	1300 nm Loss/km dB	1310 nm Loss/km dB	1550 nm Loss/km dB	Reflectance dB	Length m
OM1, OM1 160, OM2, OM2 400, OM3, OM4, O	0.75		0.30									-40.00	
OS1, OS2	0.75		0.30									-40.00	

General Fiber RL -55dB

Cable Type	Adapter Loss dB	Adapter Loss First & Last dB	Splice Loss dB	850 nm Fixed Loss dB	1300 nm Fixed Loss dB	1310 nm Fixed Loss dB	1550 nm Fixed Loss dB	850 nm Loss/km dB	1300 nm Loss/km dB	1310 nm Loss/km dB	1550 nm Loss/km dB	Reflectance dB	Length m
OM1, OM1 160, OM2, OM2 400, OM3, OM4, O	0.75		0.30									-55.00	
OS1, OS2	0.75		0.30									-55.00	

ANSI/TIA-568.3-D

Cable Type	Adapter Loss dB	Adapter Loss First & Last dB	Splice Loss dB	850 nm Fixed Loss dB	1300 nm Fixed Loss dB	1310 nm Fixed Loss dB	1550 nm Fixed Loss dB	850 nm Loss/km dB	1300 nm Loss/km dB	1310 nm Loss/km dB	1550 nm Loss/km dB	Reflectance dB	Length m
OM1, OM1 160, OM2, OM2 400, OM3, OM4, O	0.75		0.30										2000.00
OS1, OS2	0.75		0.30										40000.00

ANSI/TIA-568.3-D RL = 20 dB

Cable Type	Adapter Loss dB	Adapter Loss First & Last dB	Splice Loss dB	850 nm Fixed Loss dB	1300 nm Fixed Loss dB	1310 nm Fixed Loss dB	1550 nm Fixed Loss dB	850 nm Loss/km dB	1300 nm Loss/km dB	1310 nm Loss/km dB	1550 nm Loss/km dB	Reflectance dB	Length m
OM1, OM1 160, OM2, OM2 400, OM3, OM4, O	0.75		0.30									-20.00	2000.00
OS1, OS2	0.75		0.30									-20.00	40000.00

ANSI/TIA-568.3-D RL = 35 dB

Cable Type	Adapter Loss dB	Adapter Loss First & Last dB	Splice Loss dB	850 nm Fixed Loss dB	1300 nm Fixed Loss dB	1310 nm Fixed Loss dB	1550 nm Fixed Loss dB	850 nm Loss/km dB	1300 nm Loss/km dB	1310 nm Loss/km dB	1550 nm Loss/km dB	Reflectance dB	Length m
OM1, OM1 160, OM2, OM2 400, OM3, OM4, O	0.75		0.30									-35.00	2000.00
OS1, OS2	0.75		0.30									-35.00	40000.00

ANSI/TIA-568.3-D RL = 55 dB

Cable Type	Adapter Loss dB	Adapter Loss First & Last dB	Splice Loss dB	850 nm Fixed Loss dB	1300 nm Fixed Loss dB	1310 nm Fixed Loss dB	1550 nm Fixed Loss dB	850 nm Loss/km dB	1300 nm Loss/km dB	1310 nm Loss/km dB	1550 nm Loss/km dB	Reflectance dB	Length m
OM1, OM1 160, OM2, OM2 400, OM3, OM4, O	0.75		0.30									-55.00	2000.00
OS1, OS2	0.75		0.30									-55.00	40000.00

OptiFiber Pro HDR OTDR Module

Test Limits for Version 6.2 Build 1

FLUKE networks®

Fiber PON OTDR Limit Lines

ITU-T G.671 Cable Type	Wavelengths	Length	Max Overall Loss	Min Overall Loss	Optical Return Loss	Adapter Loss	Splice Loss	Reflectance	Splitter Reflectance	Splitter Loss
		m	dB	dB	dB	dB	dB	dB	dB	dB
OS1, OS2	1310, 1490, 1550, 1625					0.50	0.30	-35.00	-40.00	1x2:4.5 1x4:7.9 1x8:11.2 1x16:14.7 1x32:18.1 1x64:21.5 2x2:4.8 2x4:8.3 2x8:11.8 2x16:15.3 2x32:18.8 2x64:22.3

G-PON Class A Cable Type	Wavelengths	Length	Max Overall Loss	Min Overall Loss	Optical Return Loss	Adapter Loss	Splice Loss	Reflectance	Splitter Reflectance	Splitter Loss
		m	dB	dB	dB	dB	dB	dB	dB	dB
OS1, OS2	1310, 1490, 1550	20000.00	20.00	5.00	32.00			-35.00		

G-PON Class B Cable Type	Wavelengths	Length	Max Overall Loss	Min Overall Loss	Optical Return Loss	Adapter Loss	Splice Loss	Reflectance	Splitter Reflectance	Splitter Loss
		m	dB	dB	dB	dB	dB	dB	dB	dB
OS1, OS2	1310, 1490, 1550	20000.00	25.00	10.00	32.00			-35.00		

G-PON Class C Cable Type	Wavelengths	Length	Max Overall Loss	Min Overall Loss	Optical Return Loss	Adapter Loss	Splice Loss	Reflectance	Splitter Reflectance	Splitter Loss
		m	dB	dB	dB	dB	dB	dB	dB	dB
OS1, OS2	1310, 1490, 1550	20000.00	30.00	15.00	32.00			-35.00		

B-PON Class A Cable Type	Wavelengths	Length	Max Overall Loss	Min Overall Loss	Optical Return Loss	Adapter Loss	Splice Loss	Reflectance	Splitter Reflectance	Splitter Loss
		m	dB	dB	dB	dB	dB	dB	dB	dB
OS1, OS2	1310, 1490, 1550	20000.00	20.00	5.00	32.00			-35.00		

B-PON Class B Cable Type	Wavelengths	Length	Max Overall Loss	Min Overall Loss	Optical Return Loss	Adapter Loss	Splice Loss	Reflectance	Splitter Reflectance	Splitter Loss
		m	dB	dB	dB	dB	dB	dB	dB	dB
OS1, OS2	1310, 1490, 1550	20000.00	25.00	10.00	32.00			-35.00		

B-PON Class C Cable Type	Wavelengths	Length	Max Overall Loss	Min Overall Loss	Optical Return Loss	Adapter Loss	Splice Loss	Reflectance	Splitter Reflectance	Splitter Loss
		m	dB	dB	dB	dB	dB	dB	dB	dB
OS1, OS2	1310, 1490, 1550	20000.00	30.00	15.00	32.00			-35.00		

1000BASE-PX10-U Cable Type	Wavelengths	Length	Max Overall Loss	Min Overall Loss	Optical Return Loss	Adapter Loss	Splice Loss	Reflectance	Splitter Reflectance	Splitter Loss
		m	dB	dB	dB	dB	dB	dB	dB	dB
OS1, OS2	1310.00	10000.00	20.00	5.00	20.00			-26.00		

1000BASE-PX10-D Cable Type	Wavelengths	Length	Max Overall Loss	Min Overall Loss	Optical Return Loss	Adapter Loss	Splice Loss	Reflectance	Splitter Reflectance	Splitter Loss
		m	dB	dB	dB	dB	dB	dB	dB	dB
OS1, OS2	1490.00	10000.00	19.50	5.00	20.00			-26.00		

1000BASE-PX20-U Cable Type	Wavelengths	Length	Max Overall Loss	Min Overall Loss	Optical Return Loss	Adapter Loss	Splice Loss	Reflectance	Splitter Reflectance	Splitter Loss
		m	dB	dB	dB	dB	dB	dB	dB	dB
OS1, OS2	1310.00	20000.00	24.00	10.00	20.00			-26.00		

1000BASE-PX20-D Cable Type	Wavelengths	Length	Max Overall Loss	Min Overall Loss	Optical Return Loss	Adapter Loss	Splice Loss	Reflectance	Splitter Reflectance	Splitter Loss
		m	dB	dB	dB	dB	dB	dB	dB	dB
OS1, OS2	1490.00	20000.00	23.50	10.00	20.00			-26.00		

1000BASE-PX30-U Cable Type	Wavelengths	Length	Max Overall Loss	Min Overall Loss	Optical Return Loss	Adapter Loss	Splice Loss	Reflectance	Splitter Reflectance	Splitter Loss
		m	dB	dB	dB	dB	dB	dB	dB	dB
OS1, OS2	1310.00	20000.00	29.00	15.00	20.00			-26.00		

1000BASE-PX30-D Cable Type	Wavelengths	Length m	Max Overall Loss dB	Min Overall Loss dB	Optical Return Loss dB	Adapter Loss dB	Splice Loss dB	Reflectance dB	Splitter Reflectance dB	Splitter Loss dB
OS1, OS2	1490.00	20000.00	29.00	15.00	20.00			-26.00		

1000BASE-PX40-U Cable Type	Wavelengths	Length m	Max Overall Loss dB	Min Overall Loss dB	Optical Return Loss dB	Adapter Loss dB	Splice Loss dB	Reflectance dB	Splitter Reflectance dB	Splitter Loss dB
OS1, OS2	1310.00	20000.00	33.00	18.00	20.00			-26.00		

1000BASE-PX40-D Cable Type	Wavelengths	Length m	Max Overall Loss dB	Min Overall Loss dB	Optical Return Loss dB	Adapter Loss dB	Splice Loss dB	Reflectance dB	Splitter Reflectance dB	Splitter Loss dB
OS1, OS2	1490.00	20000.00	33.00	18.00	20.00			-26.00		

General PON RL = 55 dB Cable Type	Wavelengths	Length m	Max Overall Loss dB	Min Overall Loss dB	Optical Return Loss dB	Adapter Loss dB	Splice Loss dB	Reflectance dB	Splitter Reflectance dB	Splitter Loss dB
OS1, OS2	1310, 1490, 1550, 1625					0.50	0.30	-55.00		1x2:4.5 1x4:8.0 1x8:11.2 1x16:14.7 1x32:18.1 1x64:21.5 1x128:25.1 1x256:28.6 2x2:4.8 2x4:8.3 2x8:11.8 2x16:15.3

General PON RL = 40 dB Cable Type	Wavelengths	Length m	Max Overall Loss dB	Min Overall Loss dB	Optical Return Loss dB	Adapter Loss dB	Splice Loss dB	Reflectance dB	Splitter Reflectance dB	Splitter Loss dB
OS1, OS2	1310, 1490, 1550, 1625					0.50	0.30	-40.00		1x2:4.5 1x4:8.0 1x8:11.2 1x16:14.7 1x32:18.1 1x64:21.5 1x128:25.1 1x256:28.6 2x2:4.8 2x4:8.3 2x8:11.8 2x16:15.3

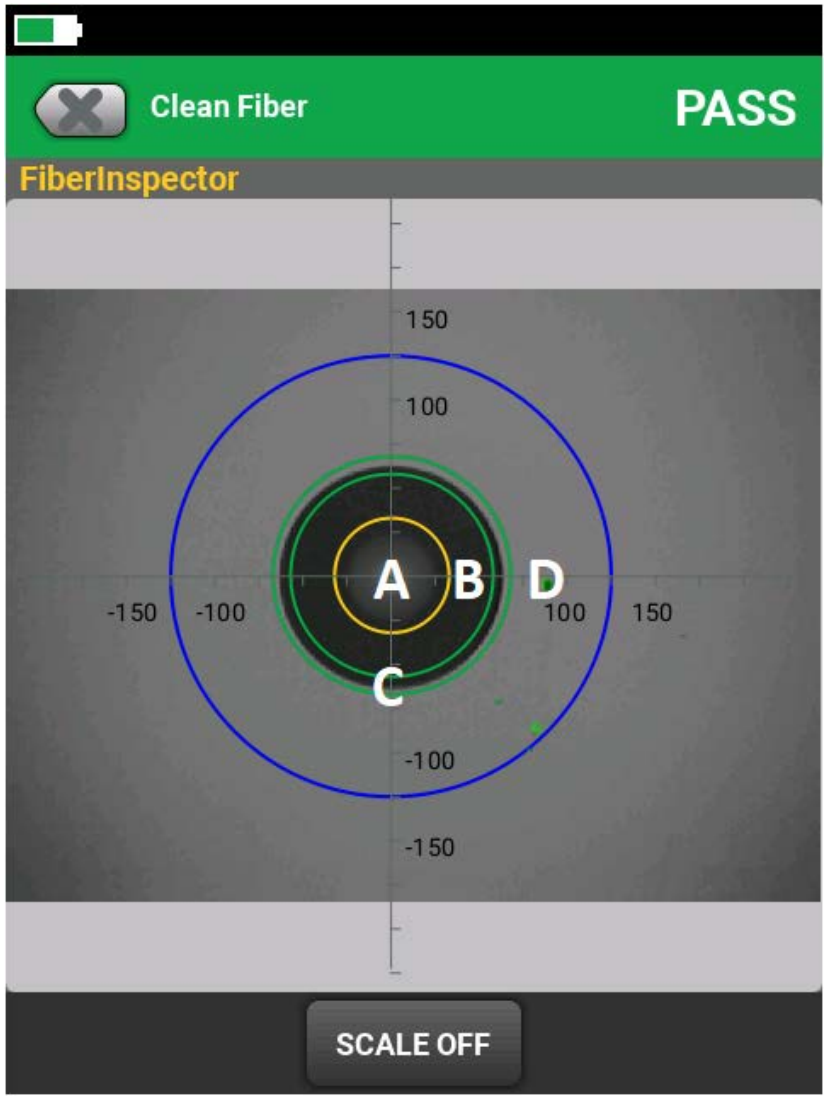
Document PON Cable Type	Wavelengths	Length m	Max Overall Loss dB	Min Overall Loss dB	Optical Return Loss dB	Adapter Loss dB	Splice Loss dB	Reflectance dB	Splitter Reflectance dB	Splitter Loss dB

Document PON contains no limits, all values will be reported as "information" only. The Test Summary will be "N/A", not pass or fail

Fiber Length:
Overall Loss:

FI-7000 FiberInspector™ Pro

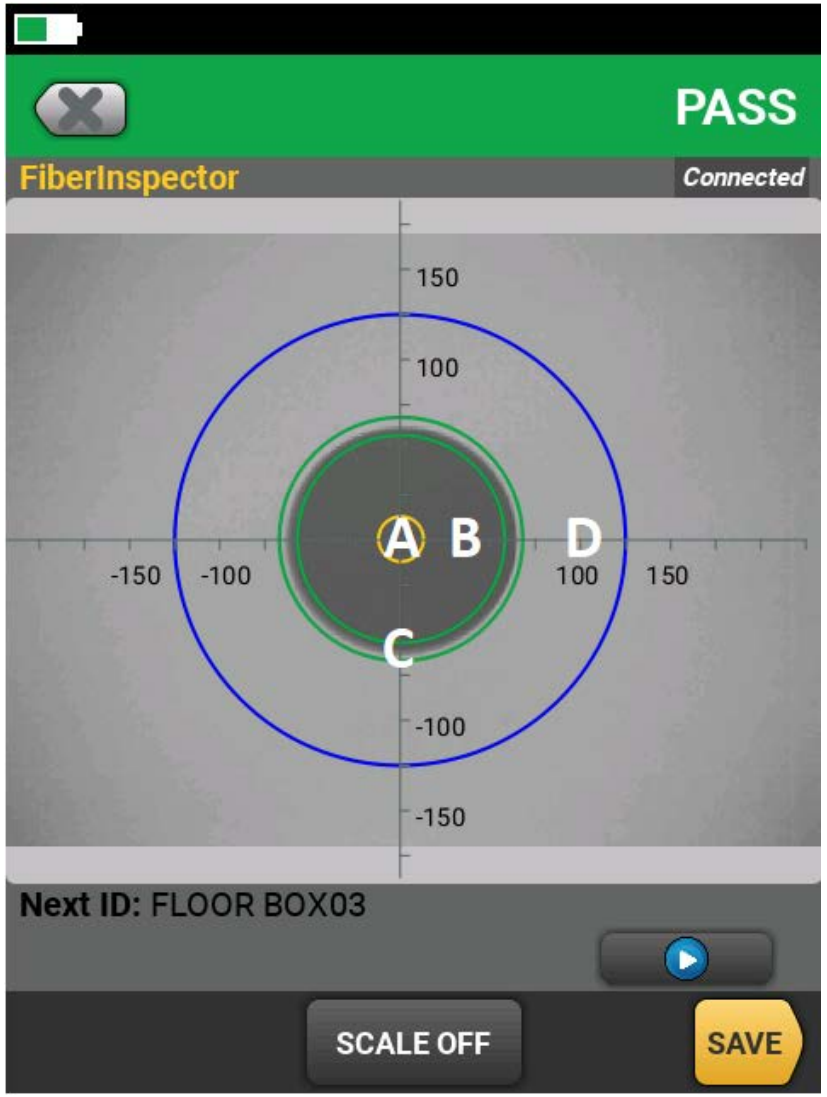
Test Limits for Version 6.2 Build 1



IEC 61300-3-35 ED.2 MM

Zone Name	Scratches	Defects
A: Core (0-65µm)	No Limit ≤ 3 µm None > 3 µm	4 ≤ 5 µm None > 5 µm
B: Cladding (65-115µm)	No Limit ≤ 5 µm None > 5 µm	No Limit < 5 µm 5 From 5 - 10 µm None > 10 µm
C: Adhesive	No Limit	No Limit
D: Contact (135-250 µm)	No Limit	No Limit < 20 µm 5 ≤ 30 µm None > 30 µm

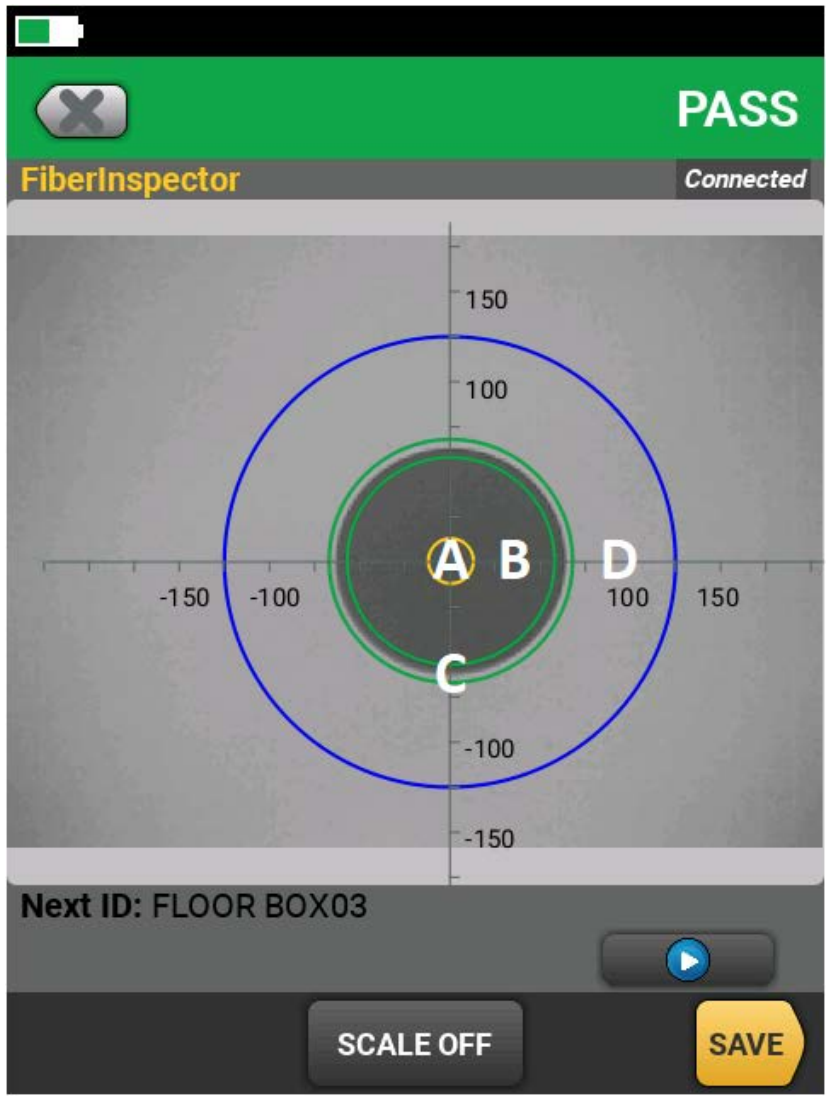
FLUKE networks



IEC 61300-3-35 ED.2 RL>=45 dB

Zone Name	Scratches	Defects
A: Core (0-25µm)	None	None
B: Cladding (25-115µm)	No Limit ≤ 3 µm None > 3 µm	No Limit < 2 µm 5 From 2 - 5 µm None > 5 µm
C: Adhesive	No Limit	No Limit
D: Contact (135-250 µm)	No Limit	No Limit ≤ 10 µm None > 10 µm

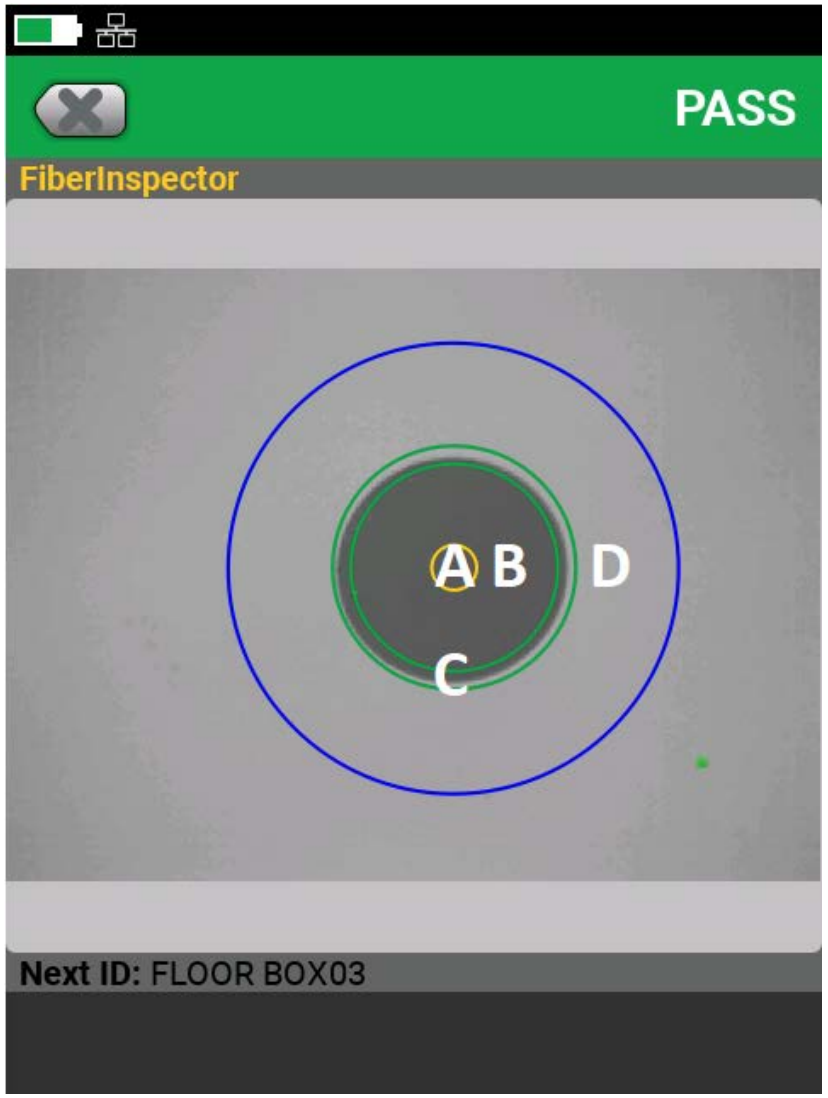
FLUKE networks



IEC 61300-3-35 ED.2 RL>=26 dB

Zone Name	Scratches	Defects
A: Core (0-25µm)	2 ≤ 3 µm None > 3 µm	None
B: Cladding (25-115µm)	No Limit ≤ 3 µm 3 > 3 µm	No Limit < 5 µm 5 From 5 - 10 µm None > 10 µm
C: Adhesive	No Limit	No Limit
D: Contact (135-250 µm)	No Limit	No Limit < 20 µm 5 From 20 - 30 µm None > 30 µm

FLUKE networks



IEC 61300-3-35 ED.2 SM APC

Zone Name	Scratches	Defects
A: Core (0-25µm)	4 ≤ 3 µm None > 3 µm	None
B: Cladding (25-115µm)	No Limit	No Limit < 2 µm 5 from 2 - 5 µm None > 5 µm
C: Adhesive	No Limit	No Limit
D: Contact (135-250 µm)	No Limit	No Limit < 10 µm None > 10 µm

FLUKE networks