Cabling Certification - Versiv™

Test Limits for Version 5.2 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.

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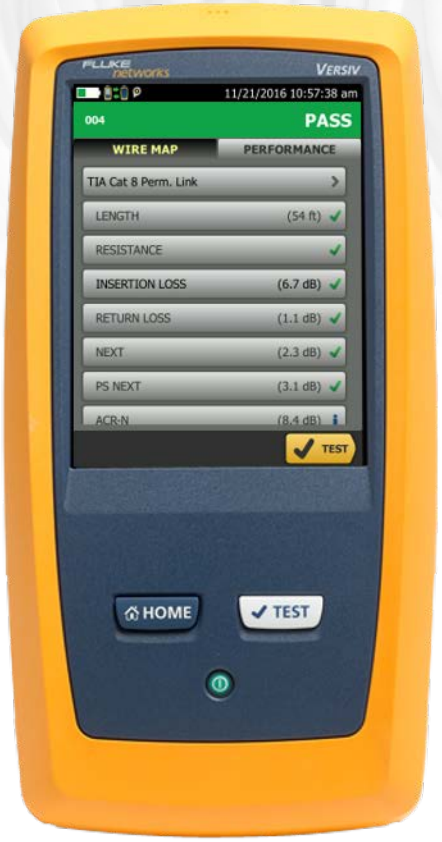
DSX CableAnalyzer™ Series

Test Limits for Version 5.2 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.

FLUKE networks.

TIA Cat 8 Perm. Link

Wire Map	Resistance	Resistance Unbalance		Length	Prop.	Delay
		In a Pair	Pair to Pair		Delay	Skew
	Ω	Ω or %	Ω or %	Max.	nS	nS
1,2 - 1,2	5.6	0.20 or 3%	0.20 or 3%	24	136	13
3,6 - 3,6						
4,5 - 4,5						
7,8 - 7,8						

i	Informational measurement only, no limit available
(light blue)	10% length rule - will fail when length > 26 m
(light yellow)	Not evaluated against the test limit
(lavender)	If Insertion Loss < 3 dB, not evaluated against the test limit
(green)	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.

Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
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				
20	3.0	52.3	19.5	49.3	46.4	49.0	46.0	43.4				
25	3.0	50.7	19.0	47.7	44.4	47.3	44.3	41.4				
31.25	3.0	49.1	18.5	46.1	42.5	45.7	42.7	39.5				
62.5	4.1	44.0	18.0	39.9	36.5	40.6	36.5	33.5				
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				
300	9.1	32.3	12.3	23.2	22.9	28.8	19.7	19.9				
400	10.6	30.1	10.8	19.5	20.4	26.6	16.0	17.4				
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				
1000	17.5	19.3	8.0	1.8	12.4	15.9	-1.6	9.4				
1500	22.1	13.9	8.0	-8.2	8.9	10.2	-11.9	5.9				
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 Unbalance		Length	Prop.	Delay
		In a Pair	Pair to Pair		Delay	Skew
	Ω			Max.	nS	nS
1,2 - 1,2	**5.6**	0.20 or 3%	0.20 or 3%	24	136	13
3,6 - 3,6						
4,5 - 4,5						
7,8 - 7,8						

i	Informational measurement only, no limit available
(light blue)	10% length rule - will fail when length > 26 m
(light yellow)	Not evaluated against the test limit
(light purple)	If Insertion Loss < 3 dB, not evaluated against the test limit
(green)	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 (

Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1	3	65	19.1	62.0	72.4	62.0	59.0	69.4	30	30	i	i
4	3	63.8	21.0	60.8	60.4	60.5	57.5	57.4	30	22.6	i	i
8	3	58.9	21.0	55.9	54.3	55.6	52.6	51.3	30	16.5	i	i
10	3	57.3	21.0	54.3	52.4	54.0	51.0	49.4	30	14.6	i	i
16	3	53.9	20.0	50.9	48.3	50.6	47.6	45.3	29.5	10.5	i	i
20	3	52.3	19.5	49.3	46.4	49.0	46.0	43.4	27.9	8.6	i	i
25	3	50.7	19.0	47.7	44.4	47.3	44.3	41.4	26.2	6.6	i	i
31.25	3	49.1	18.5	46.1	42.5	45.7	42.7	39.5	24.6	4.7	i	i
62.5	4.1	44	18.0	39.9	36.5	40.6	36.5	33.5	19.5	3	i	i
100	5.2	40.5	18.0	35.3	32.4	37.1	31.9	29.4	16	3	i	i
200	7.4	35.3	14.4	28.0	26.4	31.9	24.5	23.4	10.9	3	i	i
250	8.3	33.6	13.2	25.4	24.4	30.2	21.9	21.4	9.2	3	i	i
300	9.1	32.3	12.3	23.2	22.9	28.8	19.7	19.9	7.9	3	i	i
400	10.6	30.1	10.8	19.5	20.4	26.6	16.0	17.4	5.8	3	i	i
500	11.9	27.9	9.6	16.0	18.4	24.8	13.0	15.4	4.1	3	i	i
600	13.1	25.7	8.7	12.6	16.8	22.6	9.4	13.8	3	3	i	i
1000	17.5	19.3	8.0	1.8	12.4	15.9	-1.6	9.4	3	3	i	i
1500	22.1	13.9	8.0	-8.2	8.9	10.2	-11.9	5.9	3	3	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 6A Perm. Link

Wire Map	Resistance	Resistance Unbalance		Length	Prop.	Delay
		In a Pair	Pair to Pair		Delay	Skew
	Ω	Ω or %	Ω or %	Max.	nS	nS
1,2 - 1,2	i			90	498	44
3,6 - 3,6						
4,5 - 4,5						
7,8 - 7,8						

i	Informational measurement only, no limit available
(light blue)	10% length rule - will fail when length > 99 m
(light yellow)	Not evaluated against the test limit
(light purple)	If Insertion Loss < 3 dB, not evaluated against the test limit
(green)	If FEXT is < 67 dB, not evaluated against the test limit

Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1	3.0	65.0	19.1	62.0	64.2	62.0	59.0	61.2				
4	3.5	64.1	21.0	60.5	52.1	61.8	58.3	49.1				
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	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	45.2	38.2	50.7	42.8	35.2				
25	8.8	51.5	19.0	42.8	36.2	49.1	40.4	33.2				
31.25	9.8	50.0	18.5	40.2	34.3	47.5	37.7	31.3				
62.5	14.0	45.1	16.0	31.1	28.3	42.7	28.6	25.3				
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 Unbalance		Length	Prop.	Delay	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		Delay	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	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	40.0	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						31.25	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						62.5	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 6 Perm. Link

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
		In a Pair	Pair to Pair		Delay	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	3.0	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				

TIA Cat 6 Perm. Link (+All)

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
		In a Pair	Pair to Pair		Delay	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	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	50.0	30.0	i	i
3,6 - 3,6							4	3.5	64.1	21.0	60.6	52.1	61.8	58.3	49.1	41.0	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	49.9	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	7.9	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	8.9	51.5	19.0	42.7	36.2	49.1	40.2	33.2	29.0	2.0	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
	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
	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	20.0	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
							250	31.1	35.3	10.0	4.2	16.2	32.7	1.6	13.2	14.0	i	i	i
							350	i	i	i	i	i	i	i	i	i	i	i	i

TIA Cat 5e Perm. Link

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
		In a Pair	Pair to Pair		Delay	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	3.0	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				

TIA Cat 5e Perm. Link (+All)

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
		In a Pair	Pair to Pair		Delay	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	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
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
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
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
							16	7.9	45.2	19.0	37.3	34.5	42.2	34.3	31.5	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
	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
	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
	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	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
							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 3 Perm. Link

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
		In a Pair	Pair to Pair		Delay	Skew		Loss											
	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			90	498	44	1	3.5	40.1		36.6								
3,6 - 3,6							4	6.2	30.6		24.4								
4,5 - 4,5							8	8.8	25.8		17.0								
7,8 - 7,8							10	9.9	24.3		14.3								
							16	13.0	21.0		8.0								
i	Informational measurement only, no limit available						20	i	i		i								
	10% length rule - will fail when length > 99 m						25	i	i		i								
	Not evaluated against the test limit						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								

TIA Cat 8 Channel

Wire Map	Resistance	Resistance Unbalance: Unbalance	Resistance Unbalance: Pair to Pair	Length	Prop. Delay	Delay Skew
	Ω	Ω or %	Ω or %	Max.	nS	nS
1,2 - 1,2	6.4	0.1 or 3.0	0.2 or 7.0	30	179	17
3,6 - 3,6						
4,5 - 4,5						
7,8 - 7,8						

Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1	3	65	19.0	62.0	65.0	62.0	59.0	62	i	i	i	i
4	3	63.8	19.0	60.8	59.9	60.5	57.5	56.9	i	i	i	i
8	3	58.9	19.0	55.9	53.9	55.6	52.6	50.9	i	i	i	i
10	3	57.3	19.0	54.3	52.0	54.0	51.0	49	i	i	i	i
16	3	53.9	18.0	50.9	47.9	50.6	47.6	44.9	i	i	i	i
20	3	52.3	17.5	49.3	45.9	49.0	46.0	42.9	i	i	i	i
25	3.2	50.7	17.0	47.5	44.0	47.3	44.1	41	i	i	i	i
31.25	3.6	49.1	16.5	45.5	42.1	45.7	42.1	39.1	i	i	i	i
62.5	5.1	44	16.0	38.9	36.0	40.6	35.5	33	i	i	i	i
100	6.5	40.5	16.0	34.0	32.0	37.1	30.6	29	i	i	i	i
200	9.3	35.3	14.3	26.0	25.9	31.9	22.6	22.9	i	i	i	i
250	10.4	33.6	13.4	23.2	24.0	30.2	19.7	21	i	i	i	i
300	11.5	32.3	12.7	20.8	22.4	28.8	17.3	19.4	i	i	i	i
400	13.3	30.1	11.6	16.8	19.9	26.6	13.2	16.9	i	i	i	i
500	15	27.9	10.7	12.9	18.0	24.8	9.9	15	i	i	i	i
600	16.5	25.7	10.0	9.2	16.4	22.7	6.2	13.4	i	i	i	i
1000	22	19.3	8.0	-2.6	12.0	16.5	-5.5	9	i	i	i	i
1500	27.7	13.9	8.0	-13.8	8.4	11.2	-16.4	5.4	i	i	i	i
2000	32.7	9.8	8.0	-22.9	5.9	7.3	-25.3	2.9	i	i	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 channel ACRF vlaues that correspond t measured channel FEXT loss values of > 70 dB are for information only.

TIA Cat 8 Channel (+All)

Wire Map	Resistance	Resistance Unbalance: Unbalance	Resistance Unbalance: Pair to Pair	Length	Prop. Delay	Delay Skew
	Ω	Ω or %	Ω or %	Max.	nS	nS
1,2 - 1,2	6.4	0.1 or 3.0	0.2 or 7.0	30	179	17
3,6 - 3,6						
4,5 - 4,5						
7,8 - 7,8						

- i — Informational measurement only, no limit available
- (light blue) 10% length rule - will fail when length > 33 m
- (light yellow) Not evaluated against the test limit
- (lavender) If Insertion Loss < 3 dB, not evaluated against the test limit
- (green) for frequencies > 200 MHz Category 8 channel ACRF vlaues that correspond t measured channel FEXT loss values of > 70 dB are for information only.

Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1	3	65	19.0	62.0	65.0	62.0	59.0	62	30	30	i	i
4	3	63.8	19.0	60.8	59.9	60.5	57.5	56.9	30	22.6	i	i
8	3	58.9	19.0	55.9	53.9	55.6	52.6	50.9	30	16.5	i	i
10	3	57.3	19.0	54.3	52.0	54.0	51.0	49	30	14.6	i	i
16	3	53.9	18.0	50.9	47.9	50.6	47.6	44.9	29.5	10.5	i	i
20	3	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	26.2	6.6	i	i
31.25	3.6	49.1	16.5	45.5	42.1	45.7	42.1	39.1	24.6	4.7	i	i
62.5	5.1	44	16.0	38.9	36.0	40.6	35.5	33	19.5	3	i	i
100	6.5	40.5	16.0	34.0	32.0	37.1	30.6	29	16	3	i	i
200	9.3	35.3	14.3	26.0	25.9	31.9	22.6	22.9	10.9	3	i	i
250	10.4	33.6	13.4	23.2	24.0	30.2	19.7	21	9.2	3	i	i
300	11.5	32.3	12.7	20.8	22.4	28.8	17.3	19.4	7.9	3	i	i
400	13.3	30.1	11.6	16.8	19.9	26.6	13.2	16.9	5.8	3	i	i
500	15	27.9	10.7	12.9	18.0	24.8	9.9	15	4.1	3	i	i
600	16.5	25.7	10.0	9.2	16.4	22.7	6.2	13.4	3	3	i	i
1000	22	19.3	8.0	-2.6	12.0	16.5	-5.5	9	3	3	i	i
1500	27.7	13.9	8.0	-13.8	8.4	11.2	-16.4	5.4	3	3	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

TIA Cat 6A Channel

Wire Map	Resistance	Resistance Unbalance: In a Pair	Resistance Unbalance: Pair to Pair	Length	Prop. Delay	Delay Skew
	Ω	Ω or %	Ω or %	Max.	nS	nS
1,2 - 1,2	i			100	555	50
3,6 - 3,6						
4,5 - 4,5						
7,8 - 7,8						

- i — Informational measurement only, no limit available
- (light blue) 10% length rule - will fail when length > 110 m
- (light yellow) Not evaluated against the test limit
- (lavender) If Insertion Loss < 3 dB, not evaluated against the test limit
- (dark green) If FEXT is < 70 dB, not evaluated against the test limit

Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1	3.0	65.0	19.0	62.0	63.3	62.0	59.0	60.3				
4	4.2	63.0	19.0	58.9	51.2	60.5	56.4	48.2				
8	5.8	58.2	19.0	52.4	45.2	55.6	49.8	42.2				
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				
25	10.2	50.0	17.0	39.8	35.3	47.3	37.1	32.3				
31.25	11.5	48.4	16.5	36.9	33.4	45.7	34.2	30.4				
62.5	16.4	43.4	14.0	27.0	27.3	40.6	24.2	24.3				
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 Unbalance		Length	Prop.	Delay	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		Delay	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	25	0.1 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
							20	9.2	51.6	17.5	42.5	37.2	49.0	39.8	34.2	30.5	4.0	i	i
							25	10.2	50.0	17.0	39.8	35.3	47.3	37.1	32.3	29.0	2.0	i	i
							31.25	11.5	48.4	16.5	36.9	33.4	45.7	34.2	30.4	27.6	i	i	i
							62.5	16.4	43.4	14.0	27.0	27.3	40.6	24.2	24.3	23.1	i	i	i
							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

- i — Informational measurement only, no limit available
- 10% length rule - will fail when length > 110 m
- Not evaluated against the test limit
- If Insertion Loss < 3 dB, not evaluated against the test limit
- If FEXT is < 70 dB, not evaluated against the test limit

TIA Cat 6 Channel

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
		In a Pair	Pair to Pair		Delay	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			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				
							20	9.0	51.6	17.5	42.6	37.2	49.0	39.9	34.2				
							25	10.1	50.0	17.0	39.9	35.3	47.3	37.2	32.3				
							31.25	11.4	48.4	16.5	37.0	33.4	45.7	34.3	30.4				
							62.5	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				

- i — Informational measurement only, no limit available
- 10% length rule - will fail when length > 110 m
- Not evaluated against the test limit
- If Insertion Loss < 3 dB, not evaluated against the test limit
- If FEXT is < 70 dB, not evaluated against the test limit

TIA Cat 6 Channel (+All)

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
		In a Pair	Pair to Pair		Delay	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	25	0.1 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	50.0	30.0	i	i
3,6 - 3,6							4	4.0	63.0	19.0	59.0	51.2	60.5	56.5	48.2	41.0	18.0	i	i
4,5 - 4,5							8	5.7	58.2	19.0	52.5	45.2	55.6	49.9	42.2	36.5	11.9	i	i
7,8 - 7,8							10	6.3	56.6	19.0	50.2	43.3	54.0	47.7	40.3	35.0	10.0	i	i
							16	8.0	53.2	18.0	45.2	39.2	50.6	42.6	36.2	31.9	5.9	i	i
							20	9.0	51.6	17.5	42.6	37.2	49.0	39.9	34.2	30.5	4.0	i	i
							25	10.1	50.0	17.0	39.9	35.3	47.3	37.2	32.3	29.0	2.0	i	i
							31.25	11.4	48.4	16.5	37.0	33.4	45.7	34.3	30.4	27.6	i	i	i
							62.5	16.5	43.4	14.0	26.9	27.3	40.6	24.1	24.3	23.1	i	i	i
							100	21.3	39.9	12.0	18.6	23.3	37.1	15.8	20.3	20.0	i	i	i
							200	31.5	34.8	9.0	3.3	17.2	31.9	0.3	14.2	15.5	i	i	i
							250	35.9	33.1	8.0	-2.8	15.3	30.2	-5.8	12.3	14.0	i	i	i
							350	i	i	i	i	i	i	i	i	i	i	i	i

- i — Informational measurement only, no limit available
- 10% length rule - will fail when length > 110 m
- Not evaluated against the test limit
- If Insertion Loss < 3 dB, not evaluated against the test limit
- If FEXT is < 70 dB, not evaluated against the test limit

TIA Cat 5e Channel

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
		In a Pair	Pair to Pair		Delay	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			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				

TIA Cat 5e Channel (+All)

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
		In a Pair	Pair to Pair		Delay	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	25	0.1 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
3,6 - 3,6							4	4.5	53.5	17.0	49.1	45.4	50.5	46.1	42.4	i	i	i	i
4,5 - 4,5							8	6.3	48.6	17.0	42.3	39.3	45.6	39.3	36.3	i	i	i	i
7,8 - 7,8							10	7.1	47.0	17.0	39.9	37.4	44.0	36.9	34.4	i	i	i	i
							16	9.1	43.6	17.0	34.5	33.3	40.6	31.5	30.3	i	i	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	i	i	i	i
	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	i	i	i	i
	Not evaluated against the test limit						31.25	12.9	38.7	15.1	25.9	27.5	35.7	22.9	24.5	i	i	i	i
	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	i	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	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 3 Channel

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
		In a Pair	Pair to Pair		Delay	Skew		Loss											
	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			100	555	50	1	4.2	39.1		34.9								
3,6 - 3,6							4	7.3	29.3		22.0								
4,5 - 4,5							8	10.2	24.3		14.0								
7,8 - 7,8							10	11.5	22.7		11.2								
							16	14.9	19.2		4.3								
i	Informational measurement only, no limit available						20	i	i		i								
	10% length rule - will fail when length > 110 m						25	i	i		i								
	Not evaluated against the test limit						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								

TIA Cat 6A 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
		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
PAIR_1:	None	None	None	90	498	44	1	3.0	65.0	19.1	62.0	64.2	62.0	59.0	61.2				
PAIR_2:							4	3.5	64.1	21.0	60.5	52.1	61.8	58.3	49.1				
PAIR_3:							8	5.0	59.4	21.0	54.4	46.1	57.0	52.1	43.1				
PAIR_4:							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						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 li						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 6 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
		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
PAIR_1:	None	None	None	90	498	44	1	3.0	65.0	19.1	62.0	64.2	62.0	59.0	61.2				
PAIR_2:							4	3.5	64.1	21.0	60.6	52.1	61.8	58.3	49.1				
PAIR_3:							8	5.0	59.4	21.0	54.4	46.1	57.0	52.1	43.1				
PAIR_4:							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						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 li						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				

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
		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
PAIR_1:	None	None	None	90	498	44	1	3.0	60.0	19.0	57.0	58.6	57.0	54.0	55.6				
PAIR_2:							4	3.9	54.8	19.0	50.9	46.6	51.8	47.9	43.6				
PAIR_3:							8	5.5	50.0	19.0	44.5	40.6	47.0	41.5	37.6				
PAIR_4:							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						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 li						100	21.0	32.3	12.0	11.3	18.6	29.3	8.3	15.6				

TIA 1005 Cat 6A Perm. Link

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
		In a Pair	Pair to Pair		Delay	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	3.0	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				
							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	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	45.2	38.2	50.7	42.8	35.2				
							25	8.8	51.5	19.0	42.8	36.2	49.1	40.4	33.2				
							31.25	9.8	50.0	18.5	40.2	34.3	47.5	37.7	31.3				
							62.5	14.0	45.1	16.0	31.1	28.3	42.7	28.6	25.3				
							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				

- i — Informational measurement only, no limit available
- 10% length rule - will fail when length > 99 m
- Not evaluated against the test limit
- If Insertion Loss < 3 dB, not evaluated against the test limit
- If FEXT is < 67 dB, not evaluated against the test limit

TIA 1005 Cat 6 Perm. Link

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
		In a Pair	Pair to Pair		Delay	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	3.0	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				
							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				
							16	7.0	54.6	20.0	47.6	40.1	52.2	45.2	37.1				
							20	7.9	53.1	19.5	45.2	38.2	50.7	42.8	35.2				
							25	8.9	51.5	19.0	42.7	36.2	49.1	40.2	33.2				
							31.25	10.0	50.0	18.5	40.0	34.3	47.5	37.6	31.3				
							62.5	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				

- i — Informational measurement only, no limit available
- 10% length rule - will fail when length > 99 m
- Not evaluated against the test limit
- If Insertion Loss < 3 dB, not evaluated against the test limit
- If FEXT is < 67 dB, not evaluated against the test limit

TIA 1005 Cat 5e Perm. Link

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
		In a Pair	Pair to Pair		Delay	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	3.0	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				
							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				
							16	7.9	45.2	19.0	37.3	34.5	42.2	34.3	31.5				
							20	8.9	43.7	19.0	34.8	32.6	40.7	31.8	29.6				
							25	10.0	42.1	18.0	32.1	30.7	39.1	29.1	27.7				
							31.25	11.2	40.5	17.1	29.3	28.7	37.5	26.3	25.7				
							62.5	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				
							25	i	i	i	i	i	i	i	i				
							31.25	i	i	i	i	i	i	i	i				
							350	i	i	i	i	i	i	i	i				

- i — Informational measurement only, no limit available
- 10% length rule - will fail when length > 99 m
- Not evaluated against the test limit
- If Insertion Loss < 3 dB, not evaluated against the test limit
- If FEXT is < 67 dB, not evaluated against the test limit

TIA 1005 Cat 6A Channel

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
		In a Pair	Pair to Pair		Delay	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			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				
							8	5.8	58.2	19.0	52.4	45.2	55.6	49.8	42.2				
							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				
							25	10.2	50.0	17.0	39.8	35.3	47.3	37.1	32.3				
							31.25	11.5	48.4	16.5	36.9	33.4	45.7	34.2	30.4				
							62.5	16.4	43.4	14.0	27.0	27.3	40.6	24.2	24.3				
							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				

- i — Informational measurement only, no limit available
- 10% length rule - will fail when length > 110 m
- Not evaluated against the test limit
- If Insertion Loss < 3 dB, not evaluated against the test limit
- If FEXT is < 70 dB, not evaluated against the test limit

TIA 1005 Cat 6A Channel E1 (+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	0.1 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
							8	5.8	58.2	19.0	52.4	45.2	55.6	49.8	42.2	39.5	11.9	i	i
							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
							20	9.2	51.6	17.5	42.5	37.2	49.0	39.8	34.2	33.5	4.0	i	i
							25	10.2	50.0	17.0	39.8	35.3	47.3	37.1	32.3	32.0	2.0	i	i
							31.25	11.5	48.4	16.5	36.9	33.4	45.7	34.2	30.4	30.5	i	i	i
							62.5	16.4	43.4	14.0	27.0	27.3	40.6	24.2	24.3	24.5	i	i	i
							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

i	Informational measurement only, no limit available
(light blue)	10% length rule - will fail when length > 110 m
(light yellow)	Not evaluated against the test limit
(lavender)	If Insertion Loss < 3 dB, not evaluated against the test limit
(dark green)	If FEXT is < 70 dB, not evaluated against the test limit

TIA 1005 Cat 6A Channel E2 (+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	0.1 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
							8	5.8	58.2	19.0	52.4	45.2	55.6	49.8	42.2	40.0	21.9	i	i
							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
							20	9.2	51.6	17.5	42.5	37.2	49.0	39.8	34.2	40.0	14.0	i	i
							25	10.2	50.0	17.0	39.8	35.3	47.3	37.1	32.3	40.0	12.0	i	i
							31.25	11.5	48.4	16.5	36.9	33.4	45.7	34.2	30.4	40.0	i	i	i
							62.5	16.4	43.4	14.0	27.0	27.3	40.6	24.2	24.3	34.5	i	i	i
							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

i	Informational measurement only, no limit available
(light blue)	10% length rule - will fail when length > 110 m
(light yellow)	Not evaluated against the test limit
(lavender)	If Insertion Loss < 3 dB, not evaluated against the test limit
(dark green)	If FEXT is < 70 dB, not evaluated against the test limit

TIA 1005 Cat 6A Channel E3 (+All)

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
		In a Pair	Pair to Pair		Delay	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	25	0.1 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	50.0	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
							8	5.8	58.2	19.0	52.4	45.2	55.6	49.8	42.2	40.0	31.9	i	i
							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
							20	9.2	51.6	17.5	42.5	37.2	49.0	39.8	34.2	40.0	24.0	i	i
							25	10.2	50.0	17.0	39.8	35.3	47.3	37.1	32.3	40.0	22.0	i	i
							31.25	11.5	48.4	16.5	36.9	33.4	45.7	34.2	30.4	40.0	i	i	i
							62.5	16.4	43.4	14.0	27.0	27.3	40.6	24.2	24.3	40.0	i	i	i
							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

i	Informational measurement only, no limit available
(light blue)	10% length rule - will fail when length > 110 m
(light yellow)	Not evaluated against the test limit
(lavender)	If Insertion Loss < 3 dB, not evaluated against the test limit
(dark green)	If FEXT is < 70 dB, not evaluated against the test limit

TIA 1005 Cat 6 Channel

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
		In a Pair	Pair to Pair		Delay	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			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				
							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				
							16	8.0	53.2	18.0	45.2	39.2	50.6	42.6	36.2				
							20	9.0	51.6	17.5	42.6	37.2	49.0	39.9	34.2				
							25	10.1	50.0	17.0	39.9	35.3	47.3	37.2	32.3				
							31.25	11.4	48.4	16.5	37.0	33.4	45.7	34.3	30.4				
							62.5	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				

i	Informational measurement only, no limit available
(light blue)	10% length rule - will fail when length > 110 m
(light yellow)	Not evaluated against the test limit
(lavender)	If Insertion Loss < 3 dB, not evaluated against the test limit
(dark green)	If FEXT is < 70 dB, not evaluated against the test limit

TIA 1005 Cat 6 Channel E1 (+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		
1,2 - 1,2	25	0.1 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	4.0	63.0	19.0	59.0	51.2	60.5	56.5	48.2	40.0	18.0	i	i
							8	5.7	58.2	19.0	52.5	45.2	55.6	49.9	42.2	39.5	11.9	i	i
							10	6.3	56.6	19.0	50.2	43.3	54.0	47.7	40.3	38.0	10.0	i	i
							16	8.0	53.2	18.0	45.2	39.2	50.6	42.6	36.2	34.9	5.9	i	i
							20	9.0	51.6	17.5	42.6	37.2	49.0	39.9	34.2	33.5	4.0	i	i
							25	10.1	50.0	17.0	39.9	35.3	47.3	37.2	32.3	32.0	2.0	i	i
							31.25	11.4	48.4	16.5	37.0	33.4	45.7	34.3	30.4	30.5	i	i	i
							62.5	16.5	43.4	14.0	26.9	27.3	40.6	24.1	24.3	24.5	i	i	i
							100	21.3	39.9	12.0	18.6	23.3	37.1	15.8	20.3	20.4	i	i	i
							200	31.5	34.8	9.0	3.3	17.2	31.9	0.3	14.2	14.4	i	i	i
							250	35.9	33.1	8.0	-2.8	15.3	30.2	-5.8	12.3	12.4	i	i	i
							350	i	i	i	i	i	i	i	i	i	i	i	i

i	Informational measurement only, no limit available
(light blue)	10% length rule - will fail when length > 110 m
(light yellow)	Not evaluated against the test limit
(lavender)	If Insertion Loss < 3 dB, not evaluated against the test limit
(dark green)	If FEXT is < 70 dB, not evaluated against the test limit

TIA 1005 Cat 6 Channel E2 (+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		
1,2 - 1,2	25	0.1 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	4.0	63.0	19.0	59.0	51.2	60.5	56.5	48.2	40.0	28.0	i	i
							8	5.7	58.2	19.0	52.5	45.2	55.6	49.9	42.2	40.0	21.9	i	i
							10	6.3	56.6	19.0	50.2	43.3	54.0	47.7	40.3	40.0	20.0	i	i
							16	8.0	53.2	18.0	45.2	39.2	50.6	42.6	36.2	40.0	15.9	i	i
							20	9.0	51.6	17.5	42.6	37.2	49.0	39.9	34.2	40.0	14.0	i	i
							25	10.1	50.0	17.0	39.9	35.3	47.3	37.2	32.3	40.0	12.0	i	i
							31.25	11.4	48.4	16.5	37.0	33.4	45.7	34.3	30.4	40.0	i	i	i
							62.5	16.5	43.4	14.0	26.9	27.3	40.6	24.1	24.3	34.5	i	i	i
							100	21.3	39.9	12.0	18.6	23.3	37.1	15.8	20.3	30.4	i	i	i
							200	31.5	34.8	9.0	3.3	17.2	31.9	0.3	14.2	24.4	i	i	i
							250	35.9	33.1	8.0	-2.8	15.3	30.2	-5.8	12.3	22.4	i	i	i
							350	i	i	i	i	i	i	i	i	i	i	i	i

i	Informational measurement only, no limit available
(light blue)	10% length rule - will fail when length > 110 m
(light yellow)	Not evaluated against the test limit
(lavender)	If Insertion Loss < 3 dB, not evaluated against the test limit
(dark green)	If FEXT is < 70 dB, not evaluated against the test limit

FLUKE networks

TIA 1005 Cat 6 Channel E3 (+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		
1,2 - 1,2	25	0.1 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	50.0	i	i
3,6 - 3,6							4	4.0	63.0	19.0	59.0	51.2	60.5	56.5	48.2	40.0	38.0	i	i
							8	5.7	58.2	19.0	52.5	45.2	55.6	49.9	42.2	40.0	31.9	i	i
							10	6.3	56.6	19.0	50.2	43.3	54.0	47.7	40.3	40.0	30.0	i	i
							16	8.0	53.2	18.0	45.2	39.2	50.6	42.6	36.2	40.0	25.9	i	i
							20	9.0	51.6	17.5	42.6	37.2	49.0	39.9	34.2	40.0	24.0	i	i
							25	10.1	50.0	17.0	39.9	35.3	47.3	37.2	32.3	40.0	22.0	i	i
							31.25	11.4	48.4	16.5	37.0	33.4	45.7	34.3	30.4	40.0	i	i	i
							62.5	16.5	43.4	14.0	26.9	27.3	40.6	24.1	24.3	40.0	i	i	i
							100	21.3	39.9	12.0	18.6	23.3	37.1	15.8	20.3	40.0	i	i	i
							200	31.5	34.8	9.0	3.3	17.2	31.9	0.3	14.2	34.4	i	i	i
							250	35.9	33.1	8.0	-2.8	15.3	30.2	-5.8	12.3	32.4	i	i	i
							350	i	i	i	i	i	i	i	i	i	i	i	i

- i — Informational measurement only, no limit available
- 10% length rule - will fail when length > 110 m
- Not evaluated against the test limit
- If Insertion Loss < 3 dB, not evaluated against the test limit
- If FEXT is < 70 dB, not evaluated against the test limit

TIA 1005 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	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				
							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				
							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				
							25	11.4	40.3	16.0	28.9	29.4	37.3	25.9	26.4				
							31.25	12.9	38.7	15.1	25.9	27.5	35.7	22.9	24.5				
							62.5	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				

- i — Informational measurement only, no limit available
- 10% length rule - will fail when length > 110 m
- Not evaluated against the test limit
- If Insertion Loss < 3 dB, not evaluated against the test limit
- If FEXT is < 70 dB, not evaluated against the test limit

TIA 1005 Cat 5e Channel E1 (+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	0.1 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	40.0	30.0	i	i
3,6 - 3,6							4	4.5	53.5	17.0	49.1	45.4	50.5	46.1	42.4	40.0	18.0	i	i
							8	6.3	48.6	17.0	42.3	39.3	45.6	39.3	36.3	39.5	11.9	i	i
							10	7.1	47.0	17.0	39.9	37.4	44.0	36.9	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
							20	10.2	42.0	17.0	31.8	31.4	39.0	28.8	28.4	33.5	4.0	i	i
							25	11.4	40.3	16.0	28.9	29.4	37.3	25.9	26.4	32.0	2.0	i	i
							31.25	12.9	38.7	15.1	25.9	27.5	35.7	22.9	24.5	30.5	i	i	i
							62.5	18.6	33.6	12.1	15.0	21.5	30.6	12.0	18.5	24.5	i	i	i
							100	24.0	30.1	10.0	6.1	17.4	27.1	3.1	14.4	20.4	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

- i — Informational measurement only, no limit available
- 10% length rule - will fail when length > 110 m
- Not evaluated against the test limit
- If Insertion Loss < 3 dB, not evaluated against the test limit
- If FEXT is < 70 dB, not evaluated against the test limit

TIA 1005 Cat 5e Channel E2 (+All)

Wire Map	Resistance	Resistance Unbalance: In a Pair	Resistance Unbalance: Pair to Pair	Length	Prop. Delay	Delay Skew
	Ω	Ω or %	Ω or %	Max.	nS	nS
1,2 - 1,2 3,6 - 3,6	25	0.1 or 3.0	0.2 or 7.0	100	555	50

Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1	3.0	60.0	17.0	57.0	57.4	57.0	54.0	54.4	40.0	40.0	i	i
4	4.5	53.5	17.0	49.1	45.4	50.5	46.1	42.4	40.0	28.0	i	i
8	6.3	48.6	17.0	42.3	39.3	45.6	39.3	36.3	40.0	21.9	i	i
10	7.1	47.0	17.0	39.9	37.4	44.0	36.9	34.4	40.0	20.0	i	i
16	9.1	43.6	17.0	34.5	33.3	40.6	31.5	30.3	40.0	15.9	i	i
20	10.2	42.0	17.0	31.8	31.4	39.0	28.8	28.4	40.0	14.0	i	i
25	11.4	40.3	16.0	28.9	29.4	37.3	25.9	26.4	40.0	12.0	i	i
31.25	12.9	38.7	15.1	25.9	27.5	35.7	22.9	24.5	40.0	i	i	i
62.5	18.6	33.6	12.1	15.0	21.5	30.6	12.0	18.5	34.5	i	i	i
100	24.0	30.1	10.0	6.1	17.4	27.1	3.1	14.4	30.4	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

i	Informational measurement only, no limit available
	10% length rule - will fail when length > 110 m
	Not evaluated against the test limit
	If Insertion Loss < 3 dB, not evaluated against the test limit
	If FEXT is < 70 dB, not evaluated against the test limit

TIA 1005 Cat 5e Channel E3 (+All)

Wire Map	Resistance	Resistance Unbalance: In a Pair	Resistance Unbalance: Pair to Pair	Length	Prop. Delay	Delay Skew
	Ω	Ω or %	Ω or %	Max.	nS	nS
1,2 - 1,2 3,6 - 3,6	25	0.1 or 3.0	0.2 or 7.0	100	555	50

Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1	3.0	60.0	17.0	57.0	57.4	57.0	54.0	54.4	40.0	50.0	i	i
4	4.5	53.5	17.0	49.1	45.4	50.5	46.1	42.4	40.0	38.0	i	i
8	6.3	48.6	17.0	42.3	39.3	45.6	39.3	36.3	40.0	31.9	i	i
10	7.1	47.0	17.0	39.9	37.4	44.0	36.9	34.4	40.0	30.0	i	i
16	9.1	43.6	17.0	34.5	33.3	40.6	31.5	30.3	40.0	25.9	i	i
20	10.2	42.0	17.0	31.8	31.4	39.0	28.8	28.4	40.0	24.0	i	i
25	11.4	40.3	16.0	28.9	29.4	37.3	25.9	26.4	40.0	22.0	i	i
31.25	12.9	38.7	15.1	25.9	27.5	35.7	22.9	24.5	40.0	i	i	i
62.5	18.6	33.6	12.1	15.0	21.5	30.6	12.0	18.5	40.0	i	i	i
100	24.0	30.1	10.0	6.1	17.4	27.1	3.1	14.4	40.0	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

i	Informational measurement only, no limit available
	10% length rule - will fail when length > 110 m
	Not evaluated against the test limit
	If Insertion Loss < 3 dB, not evaluated against the test limit
	If FEXT is < 70 dB, not evaluated against the test limit

TIA TSB155 PL

Wire Map	Resistance	Resistance Unbalance: In a Pair	Resistance Unbalance: Pair to Pair	Length	Prop. Delay	Delay Skew
	Ω	Ω or %	Ω or %	Max.	nS	nS
1,2 - 1,2 3,6 - 3,6 4,5 - 4,5 7,8 - 7,8	i			90	498	44

Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1	3.0	65.0	19.1		64.2	62.0		61.2				
4	3.5	64.1	21.0		52.1	61.8		49.1				
8	5.0	59.4	21.0		46.1	57.0		43.1				
10	5.5	57.8	21.0		44.2	55.5		41.2				
16	7.0	54.6	20.0		40.1	52.2		37.1				
20	7.9	53.1	19.5		38.2	50.7		35.2				
25	8.9	51.5	19.0		36.2	49.1		33.2				
31.25	10.0	50.0	18.5		34.3	47.5		31.3				
62.5	14.4	45.1	16.0		28.3	42.7		25.3				
100	18.6	41.8	14.0		24.2	39.3		21.2				
200	27.4	36.9	11.0		18.2	34.3		15.2				
250	31.1	35.3	10.0		16.2	32.7		13.2				
350	37.9	30.8	7.1		13.3	28.7		10.3				
450	44.1	25.5	6.0		11.1	24.4		8.1				
500	47.1	23.4	6.0		10.2	22.5		7.2				

i	Informational measurement only, no limit available
	10% length rule - will fail when length > 99 m
	Not evaluated against the test limit
	If Insertion Loss < 3 dB, not evaluated against the test limit
	If FEXT is < 67 dB, not evaluated against the test limit

TIA TSB155 Ch

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew
		In a Pair	Pair to Pair			
	Ω	Ω or %	Ω or %	Max.	nS	nS
1,2 - 1,2	i			100	555	50
3,6 - 3,6						
4,5 - 4,5						
7,8 - 7,8						

i	Informational measurement only, no limit available
(light blue)	10% length rule - will fail when length > 110 m
(light yellow)	Not evaluated against the test limit
(lavender)	If Insertion Loss < 3 dB, not evaluated against the test limit
(dark green)	If FEXT is < 70 dB, not evaluated against the test limit

Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1	3.0	65.0	19.0		63.3	62.0		60.3				
4	4.0	63.0	19.0		51.2	60.5		48.2				
8	5.7	58.2	19.0		45.2	55.6		42.2				
10	6.3	56.6	19.0		43.3	54.0		40.3				
16	8.0	53.2	18.0		39.2	50.6		36.2				
20	9.0	51.6	17.5		37.2	49.0		34.2				
25	10.1	50.0	17.0		35.3	47.3		32.3				
31.25	11.4	48.4	16.5		33.4	45.7		30.4				
62.5	16.5	43.4	14.0		27.3	40.6		24.3				
100	21.3	39.9	12.0		23.3	37.1		20.3				
200	31.5	34.8	9.0		17.2	31.9		14.2				
250	36.0	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				

TIA Cat 5 Ch (TSB-95)

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew
		In a Pair	Pair to Pair			
	Ω	Ω or %	Ω or %	Max.	nS	nS
1,2 - 1,2	i			100	555	50
3,6 - 3,6						
4,5 - 4,5						
7,8 - 7,8						

i	Informational measurement only, no limit available
(light blue)	10% length rule - will fail when length > 110 m
(light yellow)	Not evaluated against the test limit
(lavender)	If Insertion Loss < 3 dB, not evaluated against the test limit
(dark green)	If FEXT is < 70 dB, not evaluated against the test limit

Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1	3.0	60.0	15.0	57.0	57.0			54.4				
4	4.5	50.6	15.0	46.1	45.0			42.4				
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				
16	9.1	40.6	15.0	31.6	32.9			30.3				
20	10.2	39.0	15.0	28.8	31.0			28.4				
25	11.4	37.4	14.0	26.0	29.0			26.4				
31.25	12.9	35.7	13.1	22.9	27.1			24.5				
62.5	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 Unbalance		Length	Prop. Delay	Delay Skew
		In a Pair	Pair to Pair			
	Ω	Ω or %	Ω or %	Max.	nS	nS
1,2 - 1,2	i			94	518	45
3,6 - 3,6						
4,5 - 4,5						
7,8 - 7,8						

i	Informational measurement only, no limit available
(light blue)	10% length rule - will fail when length > 103.4 m
(light yellow)	Not evaluated against the test limit
(lavender)	If Insertion Loss < 3 dB, not evaluated against the test limit
(light green)	If FEXT is < 67 dB, not evaluated against the test limit

Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1	3.0	60.0	15.0	57.0	57.0			54.4				
4	4.0	51.8	15.0	47.8	45.0			42.4				
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				
16	8.1	42.3	15.0	34.1	32.9			30.3				
20	9.1	40.7	15.0	31.6	31.0			28.4				
25	10.3	39.1	14.3	28.9	29.0			26.4				
31.25	11.6	37.6	13.6	26.0	27.1			24.5				
62.5	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 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	i			100		50	1	3.0	60.3										
3,6 - 3,6							4	4.5	50.6										
4,5 - 4,5							8	6.3	45.6										
7,8 - 7,8							10	7.0	44.0										
							16	9.2	40.6										
							20	10.3	39.0										
							25	11.4	37.4										
							31.25	12.8	35.7										
							62.5	18.5	30.6										
							100	24.0	27.1										
							200	i	i										
							250	i	i										
							350	i	i										

i	Informational measurement only, no limit available
(shaded)	10% length rule - will fail when length > 110 m

TIA Cat 5 BL (TSB-67)

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	i			94		50	1	3.0	60.0										
3,6 - 3,6							4	4.0	51.8										
4,5 - 4,5							8	5.7	47.1										
7,8 - 7,8							10	6.4	45.5										
							16	8.1	42.3										
							20	9.1	40.7										
							25	10.3	39.1										
							31.25	11.6	37.6										
							62.5	16.7	32.7										
							100	21.6	29.3										
							200	i	i										
							250	i	i										
							350	i	i										

i	Informational measurement only, no limit available
(shaded)	10% length rule - will fail when length > 103.4 m

ISO11801 PL Class I

Wire Map	Resistance	Resistance Unbalance		Length	Delay	Delay Skew
		In a Pair	Pair to Pair			
	Ω	Ω or %	Ω or %	Max.	nS	nS
1,2 - 1,2	6	0.15 or 3.0	0.1 or 7.0	None	147	14
3,6 - 3,6						
4,5 - 4,5						
7,8 - 7,8						

Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1	3.0	65.0	19.1	62.0	65.0	62.0	59.0	62.0				
16	3.0	53.9	20.0	50.9	48.3	50.9	47.9	45.3				
100	5.2	40.5	18.0	35.3	32.4	37.5	32.3	29.4				
250	8.4	33.6	13.2	25.3	24.4	30.6	22.3	21.4				
500	12.0	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				
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				

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 < 70 dB, not evaluated against the test limit

ISO11801 PL Class I (+All)

Wire Map	Resistance			Length	Delay	Delay Skew
		Unbalance	Pair to Pair			
	Ω	Ω or %	Ω or %	Max.	nS	nS
1,2 - 1,2	6	0.15 or 3.0	0.1 or 7.0	None	147	14
3,6 - 3,6						
4,5 - 4,5						
7,8 - 7,8						

Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1	3.0	65.0	19.1	62.0	65.0	62.0	59.0	62.0	30.0	30.0	i	i
16	3.0	53.9	20.0	50.9	48.3	50.9	47.9	45.3	29.5	10.5	i	i
100	5.2	40.5	18.0	35.3	32.4	37.5	32.3	29.4	16.0	3.0	i	i
250	8.4	33.6	13.2	25.3	24.4	30.6	22.3	21.4	9.2	3.0	i	i
500	12.0	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
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	26.5	9.6	6.2	-16.9	6.4	6.6	-19.9	3.4	3.0	3.0	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 < 70 dB, not evaluated against the test limit
TCL and ELTCTL values presented are based on screened pairs. If using unscreeened pairs, the values will be greater by 10 dB.

ISO11801 PL Class II

Wire Map	Resistance	Resistance		Length	Delay	Delay Skew
		Unbalance	Pair to Pair			
	Ω	Ω or %	Ω or %	Max.	nS	nS
1,2 - 1,2	6	0.15 or 3.0	0.1 or 7.0	None	147	9
3,6 - 3,6						
4,5 - 4,5						
7,8 - 7,8						

Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1	3.0	65.0	19.1	62.0	65.0	62.0	59.0	62.0				
16	3.0	65.0	20.0	62.0	65.0	62.0	59.0	62.0				
100	5.2	65.0	18.0	59.8	53.5	62.0	56.8	50.5				
250	8.4	59.1	13.2	50.8	45.6	56.1	47.8	42.6				
500	12.0	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				
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				

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 < 70 dB, not evaluated against the test limit

ISO11801 PL Class II (+All)

Wire Map	Resistance	Resistance Unbalance		Length	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	3.0	65.0	19.1	62.0	65.0	62.0	59.0	62.0	30.0	30.0	i	i
3,6 - 3,6							16	3.0	65.0	20.0	62.0	65.0	62.0	59.0	62.0	29.5	10.5	i	i
4,5 - 4,5							100	5.2	65.0	18.0	59.8	53.5	62.0	56.8	50.5	16.0	3.0	i	i
7,8 - 7,8							250	8.4	59.1	13.2	50.8	45.6	56.1	47.8	42.6	9.2	3.0	i	i
							500	12.0	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
							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

- 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 < 70 dB, not evaluated against the test limit
- TCL and ELTCTL values presented are based on screened pairs. If using unscreeened pairs, the values will be greater by 10 dB.

ISO11801 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				
							25	8.5	65.0	19.0	56.5	62.5	62.0	53.5	59.5				
							31.25	9.5	65.0	18.5	55.5	60.6	62.0	52.5	57.6				
							62.5	13.4	65.0	16.0	51.6	54.6	62.0	48.6	51.6				
							100	17.1	65.0	14.0	47.9	50.5	62.0	44.9	47.5				
							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	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				

- 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 < 70 dB, not evaluated against the test limit
- If Insertion Loss @ 900 MHz is < 17 dB, then:

Freq.	NEXT	PS NEXT
900	50.3	47.3
1000	46.3	43.3

ISO11801 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
							20	7.6	65.0	19.5	57.4	64.5	62.0	54.4	61.5	33.5	4.0	i	i
							25	8.5	65.0	19.0	56.5	62.5	62.0	53.5	59.5	32.0	2.0	i	i
							31.25	9.5	65.0	18.5	55.5	60.6	62.0	52.5	57.6	30.4	i	i	i
							62.5	13.4	65.0	16.0	51.6	54.6	62.0	48.6	51.6	24.4	i	i	i
							100	17.1	65.0	14.0	47.9	50.5	62.0	44.9	47.5	20.3	i	i	i
							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	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

- 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
- i if shielded — Informational measurement only if using shielded cable
- If PS FEXT is < 70 dB, not evaluated against the test limit
- If Insertion Loss @ 900 MHz is < 17 dB, then:

Freq.	NEXT	PS NEXT
900	50.3	47.3
1000	46.3	43.3

ISO11801 PL3 Class Fa

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
		In a Pair	Pair to Pair		Delay	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			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				
							25	8.6	65.0	19.0	56.4	60.8	62.0	53.4	57.8				
							31.25	9.6	65.0	18.5	55.4	58.9	62.0	52.4	55.9				
							62.5	13.6	65.0	16.0	51.4	52.9	62.0	48.4	49.9				
							100	17.3	65.0	14.0	47.7	48.8	62.0	44.7	45.8				
							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				

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 < 70 dB, not evaluated against the test limit

ISO11801 PL3 Class Fa (+All)

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
		In a Pair	Pair to Pair		Delay	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	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
							20	7.7	65.0	19.5	57.3	62.8	62.0	54.3	59.8	33.5	4.0	i	i
							25	8.6	65.0	19.0	56.4	60.8	62.0	53.4	57.8	32.0	2.0	i	i
							31.25	9.6	65.0	18.5	55.4	58.9	62.0	52.4	55.9	30.4	i	i	i
							62.5	13.6	65.0	16.0	51.4	52.9	62.0	48.4	49.9	24.4	i	i	i
							100	17.3	65.0	14.0	47.7	48.8	62.0	44.7	45.8	20.3	i	i	i
							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

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 < 70 dB, not evaluated against the test limit
i if shielded — Informational measurement only if using shielded (

ISO11801 PL Class F

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
		In a Pair	Pair to Pair		Delay	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			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				
							20	7.7	65.0	19.5	57.3	57.7	62.0	54.3	54.7				
							25	8.7	65.0	19.0	56.3	56.1	62.0	53.3	53.1				
							31.25	9.7	65.0	18.5	55.3	54.5	62.0	52.3	51.5				
							62.5	13.9	65.0	16.0	51.1	49.5	62.0	48.1	46.5				
							100	17.7	65.0	14.0	47.3	46.0	62.0	44.3	43.0				
							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				

- i — Informational measurement only, no limit available
- (yellow) — Not evaluated against the test limit
- (lavender) — If Insertion Loss < 3 dB, not evaluated against the test limit
- (blue) — If Insertion Loss < 4 dB, not evaluated against the test limit
- (green) — If FEXT is < 70 dB, not evaluated against the test limit
- (red) — If PS FEXT is < 70 dB, not evaluated against the test limit

ISO11801 PL Class F (+All)

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
		In a Pair	Pair to Pair		Delay	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	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
							20	7.7	65.0	19.5	57.3	57.7	62.0	54.3	54.7	33.5	4.0	i	i
							25	8.7	65.0	19.0	56.3	56.1	62.0	53.3	53.1	32.0	2.0	i	i
							31.25	9.7	65.0	18.5	55.3	54.5	62.0	52.3	51.5	30.4	i	i	i
							62.5	13.9	65.0	16.0	51.1	49.5	62.0	48.1	46.5	24.4	i	i	i
							100	17.7	65.0	14.0	47.3	46.0	62.0	44.3	43.0	20.3	i	i	i
							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

- i — Informational measurement only, no limit available
- (yellow) — Not evaluated against the test limit
- (lavender) — If Insertion Loss < 3 dB, not evaluated against the test limit
- (blue) — If Insertion Loss < 4 dB, not evaluated against the test limit
- (green) — If FEXT is < 70 dB, not evaluated against the test limit
- (red) — If PS FEXT is < 70 dB, not evaluated against the test limit
- i if shielded — Informational measurement only if using shielded (

ISO11801 PL2 Class Ea

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
		In a Pair	Pair to Pair		Delay	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			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				

ISO11801 PL2 Class Ea (+All)

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
		In a Pair	Pair to Pair		Delay	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	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 c						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 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				
							25	8.7	51.5	19.0	42.8	36.2	49.1	40.4	33.2				
							31.25	9.8	50.0	18.5	40.2	34.3	47.5	37.8	31.3				
							62.5	14.0	45.1	16.0	31.2	28.3	42.7	28.7	25.3				
							100	17.8	41.8	14.0	24.0	24.2	39.3	21.5	21.2				
							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				

🟨	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 < 70 dB, not evaluated against the test limit

ISO11801 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
							20	7.8	53.1	19.5	45.3	38.2	50.7	42.9	35.2	33.5	4.0	i	i
							25	8.7	51.5	19.0	42.8	36.2	49.1	40.4	33.2	32.0	2.0	i	i
							31.25	9.8	50.0	18.5	40.2	34.3	47.5	37.8	31.3	30.4	i	i	i
							62.5	14.0	45.1	16.0	31.2	28.3	42.7	28.7	25.3	24.4	i	i	i
							100	17.8	41.8	14.0	24.0	24.2	39.3	21.5	21.2	20.3	i	i	i
							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

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 < 70 dB, not evaluated against the test limit
i if shielded	Informational measurement only if using shielded cable

ISO11801 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				
							20	7.9	53.1	19.5	45.1	38.2	50.7	42.7	35.2				
							25	8.9	51.5	19.0	42.6	36.2	49.1	40.2	33.2				
							31.25	10.0	50.0	18.5	40.0	34.3	47.5	37.5	31.3				
							62.5	14.4	45.1	16.0	30.7	28.3	42.7	28.2	25.3				
							100	18.5	41.8	14.0	23.3	24.2	39.3	20.8	21.2				
							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				

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 < 70 dB, not evaluated against the test limit

ISO11801 PL Class E (+All)

Wire Map	Resistance	Resistance Unbalance In a Pair	Resistance Unbalance 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	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
i if shielded	Informational measurement only if using shielded (						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

ISO11801 PL Class D

Wire Map	Resistance	Resistance Unbalance In a Pair	Resistance Unbalance 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	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				

ISO11801 PL Class D (+All)

Wire Map	Resistance	Resistance Unbalance In a Pair	Resistance Unbalance 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	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
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 C

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
		In a Pair	Pair to Pair		Delay	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	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								
							20	i	i	i	i								
							25	i	i	i	i								
							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								

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

ISO11801 Channel Class I

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	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							16	3.0	53.9	18.0	50.9	47.9	50.9	47.9	44.9				
4,5 - 4,5							100	6.5	40.5	16.0	34.0	32.0	37.5	31.0	29.0				
7,8 - 7,8							250	10.4	33.6	13.4	23.2	24.0	30.6	20.2	21.0				
							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				
							1000	19.4	22.5	8.9	3.2	13.9	19.5	0.2	10.9				
							1600	20.7	21.0	8.4	0.3	12.9	18.0	-2.7	9.9				
							2000	22.0	19.6	8.0	-2.4	12.0	16.6	-5.4	9.0				

	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

ISO11801 Channel Class I (+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
		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	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	30.0	30.0	i	i
3,6 - 3,6							16	3.0	53.9	18.0	50.9	47.9	50.9	47.9	44.9	29.5	10.5	i	i
4,5 - 4,5							100	6.5	40.5	16.0	34.0	32.0	37.5	31.0	29.0	16.0	3.0	i	i
7,8 - 7,8							250	10.4	33.6	13.4	23.2	24.0	30.6	20.2	21.0	9.2	3.0	i	i
							500	15.0	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
							1000	22.0	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	32.7	9.6	6.2	-23.1	5.9	6.6	-26.1	2.9	3.0	3.0	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
	TCL and ELTCTL values presented are based on screened pairs. If using unscreeened pairs, the values will be greater by 10 dB.

ISO11801 Channel Class II

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	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							16	3.0	65.0	18.0	62.0	65.0	62.0	59.0	62.0				
4,5 - 4,5							100	6.3	65.0	16.0	58.7	53.1	62.0	55.7	50.1				
7,8 - 7,8							250	10.1	59.1	13.4	49.0	45.2	56.1	46.0	42.2				
							500	14.6	53.6	10.7	39.0	39.1	50.6	36.0	36.1				
							600	16.0	52.1	10.0	36.0	37.5	49.1	33.0	34.5				
							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	30.7	27.7	6.2	-3.1	14.7	24.7	-6.1	11.7				

	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

FLUKE networks

ISO11801 Channel Class II (+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	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	30.0	30.0	i	i
3,6 - 3,6							16	3.0	65.0	19.0	62.0	65.0	62.0	59.0	62.0	30.0	22.6	i	i
4,5 - 4,5							100	6.3	65.0	16.0	58.7	53.1	62.0	55.7	50.1	16.0	3.0	i	i
7,8 - 7,8							250	10.1	59.1	13.4	49.0	45.2	56.1	46.0	42.2	9.2	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	16.0	52.1	10.0	36.0	37.5	49.1	33.0	34.5	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	30.7	27.7	6.2	-3.1	14.7	24.7	-6.1	11.7	3.0	3.0	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
	TCL and ELTCTL values presented are based on screened pairs. If using unscreeened pairs, the values will be greater by 10 dB.

ISO11801 Channel Class Fa

Wire Map	Resistance	Resistance Unbalance In a Pair	Resistance Unbalance 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	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				
							25	10.0	65.0	17.0	55.0	59.4	62.0	52.0	56.4				
							31.25	11.2	65.0	16.5	53.8	57.5	62.0	50.8	54.5				
							62.5	15.9	65.0	14.0	49.1	51.5	62.0	46.1	48.5				
							100	20.3	65.0	12.0	44.7	47.4	62.0	41.7	44.4				
							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	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				

	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
	If Insertion Loss @ 900 MHz is < 17 dB, then:

Freq.	NEXT	PS NEXT
900	48.8	45.8
1000	45.1	42.1

ISO11801 Channel Class Fa (+All)

Wire Map	Resistance	Resistance Unbalance In a Pair	Resistance Unbalance Pair to Pair	Length	Prop. Delay	Delay Skew
	Ω	Ω or %	Ω or %	Max.	nS	nS
1,2 - 1,2	25	0.2 or 3.0	0.2 or 7.0	100	555	30
3,6 - 3,6						
4,5 - 4,5						
7,8 - 7,8						

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
i if shielded	Informational measurement only if using shielded cable
	If Insertion Loss @ 900 MHz is < 17 dB, then:

Freq.	NEXT	PS NEXT
900	48.8	45.8
1000	45.1	42.1

Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1	4.0	65.0	19.0	61.0	65.0	62.0	58.0	62.0	40.0	30.0	i	i
4	4.1	65.0	19.0	60.9	65.0	62.0	57.9	62.0	40.0	18.0	i	i
8	5.7	65.0	19.0	59.3	65.0	62.0	56.3	62.0	39.5	11.9	i	i
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
20	9.0	65.0	17.5	56.0	61.4	62.0	53.0	58.4	33.5	4.0	i	i
25	10.0	65.0	17.0	55.0	59.4	62.0	52.0	56.4	32.0	2.0	i	i
31.25	11.2	65.0	16.5	53.8	57.5	62.0	50.8	54.5	30.4	i	i	i
62.5	15.9	65.0	14.0	49.1	51.5	62.0	46.1	48.5	24.4	i	i	i
100	20.3	65.0	12.0	44.7	47.4	62.0	41.7	44.4	20.3	i	i	i
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 F

Wire Map	Resistance	Resistance Unbalance In a Pair	Resistance Unbalance Pair to Pair	Length	Prop. Delay	Delay Skew
	Ω	Ω or %	Ω or %	Max.	nS	nS
1,2 - 1,2	25			100	555	30
3,6 - 3,6						
4,5 - 4,5						
7,8 - 7,8						

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

Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1	4.0	65.0	19.0	61.0	65.0	62.0	58.0	62.0				
4	4.1	65.0	19.0	60.9	65.0	62.0	57.9	62.0				
8	5.7	65.0	19.0	59.3	62.4	62.0	56.3	59.4				
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				
20	9.1	65.0	17.5	55.9	55.9	62.0	52.9	52.9				
25	10.2	65.0	17.0	54.8	54.4	62.0	51.8	51.4				
31.25	11.4	65.0	16.5	53.6	52.8	62.0	50.6	49.8				
62.5	16.3	65.0	14.0	48.7	47.8	62.0	45.7	44.8				
100	20.8	62.9	12.0	42.1	44.4	59.9	39.1	41.4				
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 Unbalance In a Pair	Resistance Unbalance Pair to Pair	Length	Prop. Delay	Delay Skew
	Ω	Ω or %	Ω or %	Max.	nS	nS
1,2 - 1,2	25	0.2 or 3.0	0.2 or 7.0	100	555	30
3,6 - 3,6						
4,5 - 4,5						
7,8 - 7,8						

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
i if shielded	Informational measurement only if using shielded (

Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1	4.0	65.0	19.0	61.0	65.0	62.0	58.0	62.0	40.0	30.0	i	i
4	4.1	65.0	19.0	60.9	65.0	62.0	57.9	62.0	40.0	18.0	i	i
8	5.7	65.0	19.0	59.3	62.4	62.0	56.3	59.4	39.5	11.9	i	i
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
20	9.1	65.0	17.5	55.9	55.9	62.0	52.9	52.9	33.5	4.0	i	i
25	10.2	65.0	17.0	54.8	54.4	62.0	51.8	51.4	32.0	2.0	i	i
31.25	11.4	65.0	16.5	53.6	52.8	62.0	50.6	49.8	30.4	i	i	i
62.5	16.3	65.0	14.0	48.7	47.8	62.0	45.7	44.8	24.4	i	i	i
100	20.8	62.9	12.0	42.1	44.4	59.9	39.1	41.4	20.3	i	i	i
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

ISO11801 Channel Class Ea

Wire Map	Resistance	Resistance Unbalance In a Pair	Resistance Unbalance Pair to Pair	Length	Prop. Delay	Delay Skew
	Ω	Ω or %	Ω or %	Max.	nS	nS
1,2 - 1,2	25			100	555	50
3,6 - 3,6						
4,5 - 4,5						
7,8 - 7,8						

	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
	If Insertion Loss @ 450 MHz is < 12 dB, then:

Freq.	NEXT	PS NEXT
450	28.7	25.7
500	26.5	23.4

Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1	4.0	65.0	19.0	61.0	63.3	62.0	58.0	60.3				
4	4.2	63.0	19.0	58.9	51.2	60.5	56.4	48.2				
8	5.8	58.2	19.0	52.4	45.2	55.6	49.8	42.2				
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				
25	10.2	50.0	17.0	39.8	35.3	47.3	37.1	32.3				
31.25	11.5	48.4	16.5	36.9	33.4	45.7	34.2	30.4				
62.5	16.4	43.4	14.0	27.0	27.3	40.6	24.2	24.3				
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	30.6	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 Channel Class Ea (+All)

Wire Map	Resistance	Resistance Unbalance In a Pair	Resistance Unbalance Pair to Pair	Length	Prop. Delay	Delay Skew
	Ω	Ω or %	Ω or %	Max.	nS	nS
1,2 - 1,2	25	0.2 or 3.0	0.2 or 7.0	100	555	50
3,6 - 3,6						
4,5 - 4,5						
7,8 - 7,8						

i if shielded	Informational measurement only if using shielded c
i	Informational measurement only, no limit available
(yellow)	Not evaluated against the test limit
(lavender)	If Insertion Loss < 3 dB, not evaluated against the test limit
(blue)	If Insertion Loss < 4 dB, not evaluated against the test limit
(green)	If FEXT is < 70 dB, not evaluated against the test limit
(orange)	If PS FEXT is < 67 dB, not evaluated against the test limit
(dark blue)	If Insertion Loss @ 450 MHz is < 12 dB, then:

Freq.	NEXT	PS NEXT
450	28.7	25.7
500	26.5	23.4

Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1	4.0	65.0	19.0	61.0	63.3	62.0	58.0	60.3	40.0	30.0	i	i
4	4.2	63.0	19.0	58.9	51.2	60.5	56.4	48.2	40.0	18.0	i	i
8	5.8	58.2	19.0	52.4	45.2	55.6	49.8	42.2	39.5	11.9	i	i
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
20	9.2	51.6	17.5	42.5	37.2	49.0	39.8	34.2	33.5	4.0	i	i
25	10.2	50.0	17.0	39.8	35.3	47.3	37.1	32.3	32.0	2.0	i	i
31.25	11.5	48.4	16.5	36.9	33.4	45.7	34.2	30.4	30.4	i	i	i
62.5	16.4	43.4	14.0	27.0	27.3	40.6	24.2	24.3	24.4	i	i	i
100	20.9	39.9	12.0	19.0	23.3	37.1	16.2	20.3	20.3	i	i	i
200	30.1	34.8	9.0	4.7	17.2	31.9	1.8	14.2	14.3	i	i	i
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

ISO11801 Channel Class E

Wire Map	Resistance	Resistance Unbalance In a Pair	Resistance Unbalance Pair to Pair	Length	Prop. Delay	Delay Skew
	Ω	Ω or %	Ω or %	Max.	nS	nS
1,2 - 1,2	25			100	555	50
3,6 - 3,6						
4,5 - 4,5						
7,8 - 7,8						

i	Informational measurement only, no limit available
(yellow)	Not evaluated against the test limit
(lavender)	If Insertion Loss < 3 dB, not evaluated against the test limit
(blue)	If Insertion Loss < 4 dB, not evaluated against the test limit
(green)	If FEXT is < 70 dB, not evaluated against the test limit
(orange)	If PS FEXT is < 67 dB, not evaluated against the test limit

Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1	4.0	65.0	19.0	61.0	63.3	62.0	58.0	60.3				
4	4.2	63.0	19.0	58.9	51.2	60.5	56.4	48.2				
8	5.9	58.2	19.0	52.3	45.2	55.6	49.7	42.2				
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				
20	9.3	51.6	17.5	42.3	37.2	49.0	39.7	34.2				
25	10.5	50.0	17.0	39.6	35.3	47.3	36.9	32.3				
31.25	11.7	48.4	16.5	36.7	33.4	45.7	34.0	30.4				
62.5	16.9	43.4	14.0	26.5	27.3	40.6	23.7	24.3				
100	21.7	39.9	12.0	18.2	23.3	37.1	15.4	20.3				
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				

ISO11801 Channel Class E (+All)

Wire Map	Resistance	Resistance Unbalance In a Pair	Resistance Unbalance Pair to Pair	Length	Prop. Delay	Delay Skew
	Ω	Ω or %	Ω or %	Max.	nS	nS
1,2 - 1,2	25	0.2 or 3.0	0.2 or 7.0	100	555	50
3,6 - 3,6						
4,5 - 4,5						
7,8 - 7,8						

i	Informational measurement only, no limit available
(yellow)	Not evaluated against the test limit
(lavender)	If Insertion Loss < 3 dB, not evaluated against the test limit
(blue)	If Insertion Loss < 4 dB, not evaluated against the test limit
(green)	If FEXT is < 70 dB, not evaluated against the test limit
(orange)	If PS FEXT is < 67 dB, not evaluated against the test limit
i if shielded	Informational measurement only if using shielded c

Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1	4.0	65.0	19.0	61.0	63.3	62.0	58.0	60.3	40.0	30.0	i	i
4	4.2	63.0	19.0	58.9	51.2	60.5	56.4	48.2	40.0	18.0	i	i
8	5.9	58.2	19.0	52.3	45.2	55.6	49.7	42.2	39.5	11.9	i	i
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
20	9.3	51.6	17.5	42.3	37.2	49.0	39.7	34.2	33.5	4.0	i	i
25	10.5	50.0	17.0	39.6	35.3	47.3	36.9	32.3	32.0	2.0	i	i
31.25	11.7	48.4	16.5	36.7	33.4	45.7	34.0	30.4	30.4	i	i	i
62.5	16.9	43.4	14.0	26.5	27.3	40.6	23.7	24.3	24.4	i	i	i
100	21.7	39.9	12.0	18.2	23.3	37.1	15.4	20.3	20.3	i	i	i
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

ISO11801 Channel Class D

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
		In a Pair	Pair to Pair		Delay	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	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				

ISO11801 Channel Class D (+All)

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
		In a Pair	Pair to Pair		Delay	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	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 (						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 C

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
		In a Pair	Pair to Pair		Delay	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	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								

ISO TR24750 PL

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
		In a Pair	Pair to Pair		Delay	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	25			100	555	50	1	4.0	65.0	19.1	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				
							20	7.9	53.1	19.5	45.1	38.2	50.7	42.7	35.2				
							25	8.9	51.5	19.0	42.6	36.2	49.1	40.2	33.2				
							31.25	10.0	50.0	18.5	40.0	34.3	47.5	37.5	31.3				
							62.5	14.4	45.1	16.0	30.7	28.3	42.7	28.2	25.3				
							100	18.5	41.8	14.0	23.3	24.2	39.3	20.8	21.2				
							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	37.1	30.8	7.1	-6.3	13.3	28.7	-8.4	10.3				
							450	42.9	25.5	6.0	-17.3	11.1	24.4	-18.5	8.1				
							500	45.6	23.4	6.0	-22.2	10.2	22.5	-23.1	7.2				

- (yellow) Not evaluated against the test limit
- (light purple) If Insertion Loss < 3 dB, not evaluated against the test limit
- (blue) If Insertion Loss < 4 dB, not evaluated against the test limit
- (green) If FEXT is < 70 dB, not evaluated against the test limit
- (red) If PS FEXT is < 70 dB, not evaluated against the test limit

ISO TR24750 Channel

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
		In a Pair	Pair to Pair		Delay	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	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				
							20	9.3	51.6	17.5	42.3	37.2	49.0	39.7	34.2				
							25	10.5	50.0	17.0	39.6	35.3	47.3	36.9	32.3				
							31.25	11.7	48.4	16.5	36.7	33.4	45.7	34.0	30.4				
							62.5	16.9	43.4	14.0	26.5	27.3	40.6	23.7	24.3				
							100	21.7	39.9	12.0	18.2	23.3	37.1	15.4	20.3				
							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	43.5	29.7	6.6	-13.8	12.4	26.9	-16.5	9.4				
							450	50.2	24.3	6.0	-26.0	10.2	22.3	-27.9	7.2				
							500	53.4	22.0	6.0	-31.4	9.3	20.4	-33.0	6.3				

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- (yellow) Not evaluated against the test limit
- (light purple) If Insertion Loss < 3 dB, not evaluated against the test limit
- (blue) If Insertion Loss < 4 dB, not evaluated against the test limit
- (green) If FEXT is < 70 dB, not evaluated against the test limit
- (orange) If PS FEXT is < 67 dB, not evaluated against the test limit

ISO15018 BCT-B-H Perm. Link

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
		In a Pair	Pair to Pair		Delay	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			44.1	498	26	1	2.0	65.0	21.0	63.0	65.0	62.0	60.0	62.0				
3,6 - 3,6							4	2.0	65.0	21.0	63.0	65.0	62.0	60.0	62.0				
4,5 - 4,5							8	2.2	65.0	21.0	62.8	64.3	62.0	59.8	61.3				
7,8 - 7,8							10	2.5	65.0	21.0	62.5	62.7	62.0	59.5	59.7				
							16	3.2	65.0	20.0	61.8	59.3	62.0	58.8	56.3				
							20	3.5	65.0	19.5	61.5	57.7	62.0	58.5	54.7				
							25	4.0	65.0	19.0	61.0	56.1	62.0	58.0	53.1				
							31.25	4.4	65.0	18.5	60.6	54.5	62.0	57.6	51.5				
							62.5	6.3	65.0	16.0	58.7	49.5	62.0	55.7	46.5				
							100	8.1	65.0	14.0	56.9	46.0	62.0	53.9	43.0				
							200	11.7	61.9	11.0	50.1	40.9	58.9	47.1	37.9				
							250	13.2	60.4	10.0	47.2	39.2	57.4	44.2	36.2				
							350	15.9	58.2	10.0	42.3	36.7	55.2	39.3	33.7				
							450	18.2	56.6	10.0	38.4	34.8	53.6	35.4	31.8				
							500	19.3	55.9	10.0	36.6	34.0	52.9	33.6	31.0				
							600	21.4	54.7	10.0	33.3	32.6	51.7	30.3	29.6				
							700	23.3	53.7	10.0	30.4	31.4	50.7	27.4	28.4				
							800	25.2	52.8	10.0	27.7	30.4	49.8	24.7	27.4				
							900	26.9	52.1	10.0	25.1	29.5	49.1	22.1	26.5				
							1000	28.6	51.4	10.0	22.8	28.7	48.4	19.8	25.7				

- (yellow) Not evaluated against the test limit
- (lavender) If Insertion Loss < 3 dB, not evaluated against the test limit
- (blue) If Insertion Loss < 4 dB, not evaluated against the test limit
- (green) If FEXT is < 70 dB, not evaluated against the test limit
- (red) If PS FEXT is < 70 dB, not evaluated against the test limit

ISO15018 BCT-B-H Channel

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
		In a Pair	Pair to Pair		Delay	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	25			48.1	555	26	1	2.0	65.0	19.0	63.0	65.0	62.0	60.0	62.0				
3,6 - 3,6							4	2.0	65.0	19.0	63.0	65.0	62.0	60.0	62.0				
4,5 - 4,5							8	2.5	65.0	19.0	62.5	62.4	62.0	59.5	59.4				
7,8 - 7,8							10	2.8	65.0	19.0	62.2	60.8	62.0	59.2	57.8				
							16	3.5	65.0	18.0	61.5	57.5	62.0	58.5	54.5				
							20	3.9	65.0	17.5	61.1	55.9	62.0	58.1	52.9				
							25	4.4	65.0	17.0	60.6	54.4	62.0	57.6	51.4				
							31.25	5.0	65.0	16.5	60.0	52.8	62.0	57.0	49.8				
							62.5	7.1	65.0	14.0	57.9	47.8	62.0	54.9	44.8				
							100	9.1	62.9	12.0	53.8	44.4	59.9	50.8	41.4				
							200	13.1	58.3	9.0	45.3	39.4	55.3	42.3	36.4				
							250	14.8	56.9	8.0	42.1	37.8	53.9	39.1	34.8				
							350	17.7	54.7	8.0	37.0	35.3	51.7	34.0	32.3				
							450	20.4	53.1	8.0	32.7	33.4	50.1	29.7	30.4				
							500	21.6	52.4	8.0	30.8	32.6	49.4	27.8	29.6				
							600	23.9	51.2	8.0	27.3	31.3	48.2	24.3	28.3				
							700	26.1	50.2	8.0	24.1	30.1	47.2	21.1	27.1				
							800	28.1	49.3	8.0	21.2	29.1	46.3	18.2	26.1				
							900	30.1	48.5	8.0	18.5	28.2	45.5	15.5	25.2				
							1000	32.0	47.9	8.0	15.9	27.4	44.9	12.9	24.4				

- (yellow) Not evaluated against the test limit
- (lavender) If Insertion Loss < 3 dB, not evaluated against the test limit
- (blue) If Insertion Loss < 4 dB, not evaluated against the test limit
- (green) If FEXT is < 70 dB, not evaluated against the test limit
- (orange) If PS FEXT is < 67 dB, not evaluated against the test limit

FLUKE networks

ISO15018 BCT-B-L 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	21			7.1	498	26	1	2.0	65.0	21.0	63.0	65.0	62.0	60.0	62.0				
3,6 - 3,6							4	2.0	65.0	21.0	63.0	65.0	62.0	60.0	62.0				
4,5 - 4,5							8	2.0	65.0	21.0	63.0	64.3	62.0	60.0	61.3				
7,8 - 7,8							10	2.0	65.0	21.0	63.0	62.7	62.0	60.0	59.7				
							16	2.0	65.0	20.0	63.0	59.3	62.0	60.0	56.3				
							20	2.0	65.0	19.5	63.0	57.7	62.0	60.0	54.7				
							25	2.0	65.0	19.0	63.0	56.1	62.0	60.0	53.1				
							31.25	2.0	65.0	18.5	63.0	54.5	62.0	60.0	51.5				
							62.5	2.0	65.0	16.0	63.0	49.5	62.0	60.0	46.5				
							100	2.0	65.0	14.0	63.0	46.0	62.0	60.0	43.0				
							200	2.4	61.9	11.0	59.5	40.9	58.9	56.5	37.9				
							250	2.7	60.4	10.0	57.8	39.2	57.4	54.8	36.2				
							350	3.2	58.2	10.0	55.0	36.7	55.2	52.0	33.7				
							450	3.6	56.6	10.0	52.9	34.8	53.6	49.9	31.8				
							500	3.9	55.9	10.0	52.0	34.0	52.9	49.0	31.0				
							600	4.3	54.7	10.0	50.4	32.6	51.7	47.4	29.6				
							700	4.6	53.7	10.0	49.1	31.4	50.7	46.1	28.4				
							800	5.0	52.8	10.0	47.8	30.4	49.8	44.8	27.4				
							900	5.3	52.1	10.0	46.7	29.5	49.1	43.7	26.5				
							1000	5.7	51.4	10.0	45.7	28.7	48.4	42.7	25.7				

- (light yellow) Not evaluated against the test limit
- (lavender) If Insertion Loss < 3 dB, not evaluated against the test limit
- (blue) If Insertion Loss < 4 dB, not evaluated against the test limit
- (green) If FEXT is < 70 dB, not evaluated against the test limit
- (red) If PS FEXT is < 70 dB, not evaluated against the test limit

ISO15018 BCT-B-L 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			11.1	555	30	1	2.0	65.0	19.0	63.0	65.0	62.0	60.0	62.0				
3,6 - 3,6							4	2.0	65.0	19.0	63.0	65.0	62.0	60.0	62.0				
4,5 - 4,5							8	2.0	65.0	19.0	63.0	62.4	62.0	60.0	59.4				
7,8 - 7,8							10	2.0	65.0	19.0	63.0	60.8	62.0	60.0	57.8				
							16	2.0	65.0	18.0	63.0	57.5	62.0	60.0	54.5				
							20	2.0	65.0	17.5	63.0	55.9	62.0	60.0	52.9				
							25	2.0	65.0	17.0	63.0	54.4	62.0	60.0	51.4				
							31.25	2.0	65.0	16.5	63.0	52.8	62.0	60.0	49.8				
							62.5	2.0	65.0	14.0	63.0	47.8	62.0	60.0	44.8				
							100	2.6	62.9	12.0	60.3	44.4	59.9	57.3	41.4				
							200	3.7	58.3	9.0	54.6	39.4	55.3	51.6	36.4				
							250	4.2	56.9	8.0	52.7	37.8	53.9	49.7	34.8				
							350	5.0	54.7	8.0	49.7	35.3	51.7	46.7	32.3				
							450	5.8	53.1	8.0	47.3	33.4	50.1	44.3	30.4				
							500	6.1	52.4	8.0	46.3	32.6	49.4	43.3	29.6				
							600	6.8	51.2	8.0	44.4	31.3	48.2	41.4	28.3				
							700	7.4	50.2	8.0	42.8	30.1	47.2	39.8	27.1				
							800	7.9	49.3	8.0	41.4	29.1	46.3	38.4	26.1				
							900	8.5	48.5	8.0	40.0	28.2	45.5	37.0	25.2				
							1000	9.0	47.9	8.0	38.8	27.4	44.9	35.8	24.4				

- (light yellow) Not evaluated against the test limit
- (lavender) If Insertion Loss < 3 dB, not evaluated against the test limit
- (blue) If Insertion Loss < 4 dB, not evaluated against the test limit
- (green) If FEXT is < 70 dB, not evaluated against the test limit
- (orange) If PS FEXT is < 67 dB, not evaluated against the test limit

FLUKE networks.

ISO15018 BCT-B-M 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	21			19.1	498	26	1	2.0	65.0	21.0	63.0	65.0	62.0	60.0	62.0				
3,6 - 3,6							4	2.0	65.0	21.0	63.0	65.0	62.0	60.0	62.0				
4,5 - 4,5							8	2.0	65.0	21.0	63.0	64.3	62.0	60.0	61.3				
7,8 - 7,8							10	2.0	65.0	21.0	63.0	62.7	62.0	60.0	59.7				
							16	2.0	65.0	20.0	63.0	59.3	62.0	60.0	56.3				
							20	2.0	65.0	19.5	63.0	57.7	62.0	60.0	54.7				
							25	2.0	65.0	19.0	63.0	56.1	62.0	60.0	53.1				
							31.25	2.0	65.0	18.5	63.0	54.5	62.0	60.0	51.5				
							62.5	2.9	65.0	16.0	62.1	49.5	62.0	59.1	46.5				
							100	3.7	65.0	14.0	61.3	46.0	62.0	58.3	43.0				
							200	5.4	61.9	11.0	56.5	40.9	58.9	53.5	37.9				
							250	6.1	60.4	10.0	54.3	39.2	57.4	51.3	36.2				
							350	7.3	58.2	10.0	50.9	36.7	55.2	47.9	33.7				
							450	8.4	56.6	10.0	48.2	34.8	53.6	45.2	31.8				
							500	8.9	55.9	10.0	47.0	34.0	52.9	44.0	31.0				
							600	9.8	54.7	10.0	44.9	32.6	51.7	41.9	29.6				
							700	10.7	53.7	10.0	43.0	31.4	50.7	40.0	28.4				
							800	11.5	52.8	10.0	41.3	30.4	49.8	38.3	27.4				
							900	12.3	52.1	10.0	39.7	29.5	49.1	36.7	26.5				
							1000	13.1	51.4	10.0	38.3	28.7	48.4	35.3	25.7				

- (light yellow) Not evaluated against the test limit
- (lavender) If Insertion Loss < 3 dB, not evaluated against the test limit
- (blue) If Insertion Loss < 4 dB, not evaluated against the test limit
- (green) If FEXT is < 70 dB, not evaluated against the test limit
- (red) If PS FEXT is < 70 dB, not evaluated against the test limit

ISO15018 BCT-B-M 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			23.1	555	30	1	2.0	65.0	19.0	63.0	65.0	62.0	60.0	62.0				
3,6 - 3,6							4	2.0	65.0	19.0	63.0	65.0	62.0	60.0	62.0				
4,5 - 4,5							8	2.0	65.0	19.0	63.0	62.4	62.0	60.0	59.4				
7,8 - 7,8							10	2.0	65.0	19.0	63.0	60.8	62.0	60.0	57.8				
							16	2.0	65.0	18.0	63.0	57.5	62.0	60.0	54.5				
							20	2.0	65.0	17.5	63.0	55.9	62.0	60.0	52.9				
							25	2.3	65.0	17.0	62.7	54.4	62.0	59.7	51.4				
							31.25	2.6	65.0	16.5	62.4	52.8	62.0	59.4	49.8				
							62.5	3.7	65.0	14.0	61.3	47.8	62.0	58.3	44.8				
							100	4.7	62.9	12.0	58.2	44.4	59.9	55.2	41.4				
							200	6.8	58.3	9.0	51.6	39.4	55.3	48.6	36.4				
							250	7.6	56.9	8.0	49.3	37.8	53.9	46.3	34.8				
							350	9.1	54.7	8.0	45.5	35.3	51.7	42.5	32.3				
							450	10.5	53.1	8.0	42.6	33.4	50.1	39.6	30.4				
							500	11.1	52.4	8.0	41.2	32.6	49.4	38.2	29.6				
							600	12.3	51.2	8.0	38.9	31.3	48.2	35.9	28.3				
							700	13.4	50.2	8.0	36.7	30.1	47.2	33.7	27.1				
							800	14.5	49.3	8.0	34.8	29.1	46.3	31.8	26.1				
							900	15.5	48.5	8.0	33.0	28.2	45.5	30.0	25.2				
							1000	16.5	47.9	8.0	31.4	27.4	44.9	28.4	24.4				

- (light yellow) Not evaluated against the test limit
- (lavender) If Insertion Loss < 3 dB, not evaluated against the test limit
- (blue) If Insertion Loss < 4 dB, not evaluated against the test limit
- (green) If FEXT is < 70 dB, not evaluated against the test limit
- (orange) If PS FEXT is < 67 dB, not evaluated against the test limit

ISO11801 Class D (1995)

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	1000	50	1	2.5	54.0										
3,6 - 3,6							4	4.8	45.0										
4,5 - 4,5							8	6.7	41.0										
7,8 - 7,8							10	7.5	39.0										
							16	9.4	36.0										
							20	10.5	35.0										
							25	11.7	33.7										
							31.25	13.1	32.0										
							62.5	18.4	27.0										
							100	23.2	24.0										
							200	i	i										
							250	i	i										
							350	i	i										

ISO11801 Cl. Ea Qualification

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				
							25	10.2	50.0	17.0	39.8	35.3	47.3	37.1	32.3				
							31.25	11.5	48.4	16.5	36.9	33.4	45.7	34.2	30.4				
							62.5	16.4	43.4	14.0	27.0	27.3	40.6	24.2	24.3				
							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	30.6	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				

(light yellow)	Not evaluated against the test limit
(light violet)	If Insertion Loss < 3 dB, not evaluated against the test limit
(blue)	If Insertion Loss < 4 dB, not evaluated against the test limit
(green)	If FEXT is < 70 dB, not evaluated against the test limit
(red)	If PS FEXT is < 70 dB, not evaluated against the test limit

ISO11801 PL2 Class Fa (600 MHz)

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew
		In a Pair	Pair to Pair			
	Ω	Ω or %	Ω or %	Max.	nS	nS
1,2 - 1,2	20.6			90	496	25
3,6 - 3,6						
4,5 - 4,5						
7,8 - 7,8						

Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0				
4	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0				
8	4.8	65.0	21.0	60.2	65.0	62.0	57.2	62.0				
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				
25	8.5	65.0	19.0	56.5	62.5	62.0	53.5	59.5				
31.25	9.5	65.0	18.5	55.5	60.6	62.0	52.5	57.6				
62.5	13.4	65.0	16.0	51.6	54.6	62.0	48.6	51.6				
100	17.1	65.0	14.0	47.9	50.5	62.0	44.9	47.5				
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				

- (yellow) Not evaluated against the test limit
- (lavender) If Insertion Loss < 3 dB, not evaluated against the test limit
- (blue) If Insertion Loss < 4 dB, not evaluated against the test limit
- (green) If FEXT is < 70 dB, not evaluated against the test limit
- (red) If PS FEXT is < 70 dB, not evaluated against the test limit

ISO11801 PL3 Class Fa (600 MHz)

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew
		In a Pair	Pair to Pair			
	Ω	Ω or %	Ω or %	Max.	nS	nS
1,2 - 1,2	21			90	498	26
3,6 - 3,6						
4,5 - 4,5						
7,8 - 7,8						

Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0				
4	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0				
8	4.9	65.0	21.0	60.1	65.0	62.0	57.1	62.0				
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				
25	8.6	65.0	19.0	56.4	60.8	62.0	53.4	57.8				
31.25	9.6	65.0	18.5	55.4	58.9	62.0	52.4	55.9				
62.5	13.6	65.0	16.0	51.4	52.9	62.0	48.4	49.9				
100	17.3	65.0	14.0	47.7	48.8	62.0	44.7	45.8				
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				

- i — Informational measurement only, no limit available
- (yellow) Not evaluated against the test limit
- (lavender) If Insertion Loss < 3 dB, not evaluated against the test limit
- (blue) If Insertion Loss < 4 dB, not evaluated against the test limit
- (green) If FEXT is < 70 dB, not evaluated against the test limit
- (red) If PS FEXT is < 70 dB, not evaluated against the test limit

ISO11801 Channel 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	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				
							25	10.0	65.0	17.0	55.0	59.4	62.0	52.0	56.4				
							31.25	11.2	65.0	16.5	53.8	57.5	62.0	50.8	54.5				
							62.5	15.9	65.0	14.0	49.1	51.5	62.0	46.1	48.5				
							100	20.3	65.0	12.0	44.7	47.4	62.0	41.7	44.4				
							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				

i	Informational measurement only, no limit available
(light yellow)	Not evaluated against the test limit
(lavender)	If Insertion Loss < 3 dB, not evaluated against the test limit
(blue)	If Insertion Loss < 4 dB, not evaluated against the test limit
(green)	If FEXT is < 70 dB, not evaluated against the test limit
(orange)	If PS FEXT is < 67 dB, not evaluated against the test limit

Aus/NZ PL Class E

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
		In a Pair	Pair to Pair		Delay	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			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				
							20	7.9	53.1	19.5	45.1	38.2	50.7	42.7	35.2				
							25	8.9	51.5	19.0	42.6	36.2	49.1	40.2	33.2				
							31.25	10.0	50.0	18.5	40.0	34.3	47.5	37.5	31.3				
							62.5	14.4	45.1	16.0	30.7	28.3	42.7	28.2	25.3				
							100	18.5	41.8	14.0	23.3	24.2	39.3	20.8	21.2				
							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				

- 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 < 70 dB, not evaluated against the test limit

Aus/NZ PL Class D

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
		In a Pair	Pair to Pair		Delay	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			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				
							20	8.7	43.7	19.0	35.0	32.6	40.7	32.0	29.6				
							25	9.7	42.1	18.0	32.4	30.7	39.1	29.4	27.7				
							31.25	10.9	40.5	17.1	29.6	28.7	37.5	26.6	25.7				
							62.5	15.8	35.7	14.0	19.8	22.7	32.7	16.8	19.7				
							100	20.4	32.3	12.0	11.9	18.6	29.3	8.9	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				

- 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 < 70 dB, not evaluated against the test limit

Aus/NZ PL Class C

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
		In a Pair	Pair to Pair		Delay	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	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								
							20	i	i	i	i								
							25	i	i	i	i								
							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								

- 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

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				
							20	9.3	51.6	17.5	42.3	37.2	49.0	39.7	34.2				
							25	10.5	50.0	17.0	39.6	35.3	47.3	36.9	32.3				
							31.25	11.7	48.4	16.5	36.7	33.4	45.7	34.0	30.4				
							62.5	16.9	43.4	14.0	26.5	27.3	40.6	23.7	24.3				
							100	21.7	39.9	12.0	18.2	23.3	37.1	15.4	20.3				
							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				

- 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

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				
							20	10.2	42.0	17.0	31.8	31.4	39.0	28.8	28.4				
							25	11.5	40.3	16.0	28.9	29.4	37.3	25.9	26.4				
							31.25	12.9	38.7	15.1	25.8	27.5	35.7	22.8	24.5				
							62.5	18.6	33.6	12.0	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				

- 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

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								
							20	i	i	i	i								
							25	i	i	i	i								
							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								

- 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

ABNT NBR 14565 PL Class F

Wire Map	Resistance	Resistance Unbalance: In a Pair	Resistance Unbalance: Pair to Pair	Length	Prop. Delay	Delay Skew
	Ω	Ω or %	Ω or %	Max.	nS	nS
1,2 - 1,2	21			90	498	26
3,6 - 3,6						
4,5 - 4,5						
7,8 - 7,8						

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 < 70 dB, not evaluated against the test limit

Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0				
4	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0				
8	4.9	65.0	21.0	60.1	64.3	62.0	57.1	61.3				
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				
20	7.7	65.0	19.5	57.3	57.7	62.0	54.3	54.7				
25	8.7	65.0	19.0	56.3	56.1	62.0	53.3	53.1				
31.25	9.7	65.0	18.5	55.3	54.5	62.0	52.3	51.5				
62.5	13.9	65.0	16.0	51.1	49.5	62.0	48.1	46.5				
100	17.7	65.0	14.0	47.3	46.0	62.0	44.3	43.0				
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: In a Pair	Resistance Unbalance: Pair to Pair	Length	Prop. Delay	Delay Skew
	Ω	Ω or %	Ω or %	Max.	nS	nS
1,2 - 1,2	20.6			90	496	43
3,6 - 3,6						
4,5 - 4,5						
7,8 - 7,8						

	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 < 70 dB, not evaluated against the test limit
	If Insertion Loss @ 450 MHz < 12 dB, then:

Freq.	NEXT	PS NEXT
450	30.2	27.4
500	27.8	25.0

Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1	4.0	65.0	21.0	61.0	65.2	62.0	58.0	62.2				
4	4.0	64.1	21.0	60.1	53.2	61.8	57.8	50.2				
8	4.9	59.4	21.0	54.5	47.2	57.0	52.1	44.2				
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				
25	8.6	51.5	19.0	42.9	37.3	49.1	40.5	34.3				
31.25	9.7	50.0	18.5	40.3	35.3	47.5	37.9	32.3				
62.5	13.8	45.1	16.0	31.3	29.3	42.7	28.8	26.3				
100	17.6	41.8	14.0	24.2	25.2	39.3	21.7	22.2				
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				

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				
							25	8.7	51.5	19.0	42.8	36.2	49.1	40.4	33.2				
							31.25	9.8	50.0	18.5	40.2	34.3	47.5	37.8	31.3				
							62.5	14.0	45.1	16.0	31.2	28.3	42.7	28.7	25.3				
							100	17.8	41.8	14.0	24.0	24.2	39.3	21.5	21.2				
							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				

- (yellow) Not evaluated against the test limit
- (lavender) If Insertion Loss < 3 dB, not evaluated against the test limit
- (blue) If Insertion Loss < 4 dB, not evaluated against the test limit
- (green) If FEXT is < 70 dB, not evaluated against the test limit
- (red) If PS FEXT is < 70 dB, not evaluated against the test limit

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				
							20	7.9	53.1	19.5	45.1	38.2	50.7	42.7	35.2				
							25	8.9	51.5	19.0	42.6	36.2	49.1	40.2	33.2				
							31.25	10.0	50.0	18.5	40.0	34.3	47.5	37.5	31.3				
							62.5	14.4	45.1	16.0	30.7	28.3	42.7	28.2	25.3				
							100	18.5	41.8	14.0	23.3	24.2	39.3	20.8	21.2				
							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				

- i — Informational measurement only, no limit available
- (yellow) Not evaluated against the test limit
- (lavender) If Insertion Loss < 3 dB, not evaluated against the test limit
- (blue) If Insertion Loss < 4 dB, not evaluated against the test limit
- (green) If FEXT is < 70 dB, not evaluated against the test limit
- (red) If PS FEXT is < 70 dB, not evaluated against the test limit

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				
							20	8.7	43.7	19.0	35.0	32.6	40.7	32.0	29.6				
							25	9.7	42.1	18.0	32.4	30.7	39.1	29.4	27.7				
							31.25	10.9	40.5	17.1	29.6	28.7	37.5	26.6	25.7				
							62.5	15.8	35.7	14.0	19.8	22.7	32.7	16.8	19.7				
							100	20.4	32.3	12.0	11.9	18.6	29.3	8.9	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				

- i — Informational measurement only, no limit available
- (yellow) Not evaluated against the test limit
- (lavender) If Insertion Loss < 3 dB, not evaluated against the test limit
- (blue) If Insertion Loss < 4 dB, not evaluated against the test limit
- (green) If FEXT is < 70 dB, not evaluated against the test limit
- (red) If PS FEXT is < 70 dB, not evaluated against the test limit

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								
							20	i	i	i	i								
							25	i	i	i	i								
							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								

- i — Informational measurement only, no limit available
- (light yellow) Not evaluated against the test limit
- (light purple) If Insertion Loss < 3 dB, not evaluated against the test limit
- (blue) If Insertion Loss < 4 dB, not evaluated against the test limit

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				
							20	9.1	65.0	17.5	55.9	55.9	62.0	52.9	52.9				
							25	10.2	65.0	17.0	54.8	54.4	62.0	51.8	51.4				
							31.25	11.4	65.0	16.5	53.6	52.8	62.0	50.6	49.8				
							62.5	16.3	65.0	14.0	48.7	47.8	62.0	45.7	44.8				
							100	20.8	62.9	12.0	42.1	44.4	59.9	39.1	41.4				
							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				

- i — Informational measurement only, no limit available
- (light yellow) Not evaluated against the test limit
- (light purple) If Insertion Loss < 3 dB, not evaluated against the test limit
- (blue) If Insertion Loss < 4 dB, not evaluated against the test limit
- (green) If FEXT is < 70 dB, not evaluated against the test limit
- (orange) If PS FEXT is < 67 dB, not evaluated against the test limit

ABNT NBR 14565 Channel Class Ea

Wire Map	Resistance	Resistance Unbalance In a Pair	Resistance Unbalance 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	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				
							25	10.2	50.0	17.0	39.8	35.3	47.3	37.1	32.3				
							31.25	11.5	48.4	16.5	36.9	33.4	45.7	34.2	30.4				
							62.5	16.4	43.4	14.0	27.0	27.3	40.6	24.2	24.3				
							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	30.6	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				

- 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
- If Insertion Loss @ 450 MHz is < 12 dB, then:

Freq.	NEXT	PS NEXT
450	28.7	25.7
500	26.5	23.4

ABNT NBR 14565 Channel Class E

Wire Map	Resistance	Resistance Unbalance In a Pair	Resistance Unbalance 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	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				
							25	10.5	50.0	17.0	39.6	35.3	47.3	36.9	32.3				
							31.25	11.7	48.4	16.5	36.7	33.4	45.7	34.0	30.4				
							62.5	16.9	43.4	14.0	26.5	27.3	40.6	23.7	24.3				
							100	21.7	39.9	12.0	18.2	23.3	37.1	15.4	20.3				
							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				

- 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

ABNT NBR 14565 Channel Class D

Wire Map	Resistance	Resistance Unbalance In a Pair	Resistance Unbalance 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	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				
							20	10.2	42.0	17.0	31.8	31.4	39.0	28.8	28.4				
							25	11.5	40.3	16.0	28.9	29.4	37.3	25.9	26.4				
							31.25	12.9	38.7	15.1	25.8	27.5	35.7	22.8	24.5				
							62.5	18.6	33.6	12.0	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				

- 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

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								
							20	i	i	i	i								
							25	i	i	i	i								
							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								

i	Informational measurement only, no limit available
(light yellow)	Not evaluated against the test limit
(light purple)	If Insertion Loss < 3 dB, not evaluated against the test limit
(dark blue)	If Insertion Loss < 4 dB, not evaluated against the test limit

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Wire Map	Resistance	Resistance Unbalance: In a Pair	Resistance Unbalance: Pair to Pair	Length 0	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	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					
							25	8.5	65.0	19.0	56.5	62.5	62.0	53.5	59.5					
							31.25	9.5	65.0	18.5	55.5	60.6	62.0	52.5	57.6					
							62.5	13.4	65.0	16.0	51.6	54.6	62.0	48.6	51.6					
							100	17.1	65.0	14.0	47.9	50.5	62.0	44.9	47.5					
							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	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					

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 < 70 dB, not evaluated against the test limit

If Insertion Loss @ 900 MHz is < 17 dB, then:

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 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	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
							20	7.6	65.0	19.5	57.4	64.5	62.0	54.4	61.5	33.5	4.0	i	i	i
							25	8.5	65.0	19.0	56.5	62.5	62.0	53.5	59.5	32.0	2.0	i	i	i
							31.25	9.5	65.0	18.5	55.5	60.6	62.0	52.5	57.6	30.4	i	i	i	i
							62.5	13.4	65.0	16.0	51.6	54.6	62.0	48.6	51.6	24.4	i	i	i	i
							100	17.1	65.0	14.0	47.9	50.5	62.0	44.9	47.5	20.3	i	i	i	i
							200	24.4	63.5	11.0	39.1	44.5	60.5	36.1	41.5	14.3	i	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	i
							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

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

i if shielded — Informational measurement only if using shielded cable

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

If Insertion Loss @ 900 MHz is < 17 dB, then:

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					
							25	8.6	65.0	19.0	56.4	60.8	62.0	53.4	57.8					
							31.25	9.6	65.0	18.5	55.4	58.9	62.0	52.4	55.9					
							62.5	13.6	65.0	16.0	51.4	52.9	62.0	48.4	49.9					
							100	17.3	65.0	14.0	47.7	48.8	62.0	44.7	45.8					
							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	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					

- (light yellow) Not evaluated against the test limit
- (light purple) If Insertion Loss < 3 dB, not evaluated against the test limit
- (blue) If Insertion Loss < 4 dB, not evaluated against the test limit
- (green) If FEXT is < 70 dB, not evaluated against the test limit
- (red) If PS FEXT is < 70 dB, not evaluated against the test limit
- (purple) If Insertion Loss @ 900 MHz is < 17 dB, then:

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
							20	7.7	65.0	19.5	57.3	62.8	62.0	54.3	59.8	33.5	4.0	i	i	i
							25	8.6	65.0	19.0	56.4	60.8	62.0	53.4	57.8	32.0	2.0	i	i	i
							31.25	9.6	65.0	18.5	55.4	58.9	62.0	52.4	55.9	30.4	i	i	i	i
							62.5	13.6	65.0	16.0	51.4	52.9	62.0	48.4	49.9	24.4	i	i	i	i
							100	17.3	65.0	14.0	47.7	48.8	62.0	44.7	45.8	20.3	i	i	i	i
							200	24.7	63.5	11.0	38.9	42.8	60.5	35.9	39.8	14.3	i	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	i
							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

- i — Informational measurement only, no limit available
- (light yellow) Not evaluated against the test limit
- (light purple) If Insertion Loss < 3 dB, not evaluated against the test limit
- (blue) If Insertion Loss < 4 dB, not evaluated against the test limit
- (green) If FEXT is < 70 dB, not evaluated against the test limit
- (red) If PS FEXT is < 70 dB, not evaluated against the test limit
- (purple) If Insertion Loss @ 900 MHz is < 17 dB, then:
- i if shielded — Informational measurement only if using shielded cable

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 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	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					
							25	10	65.0	17.0	55.0	59.4	62.0	52.0	56.4					
							31.25	11.2	65.0	16.5	53.8	57.5	62.0	50.8	54.5					
							62.5	15.9	65.0	14.0	49.1	51.5	62.0	46.1	48.5					
							100	20.3	65.0	12.0	44.7	47.4	62.0	41.7	44.4					
							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	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					

- 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 < 70 dB, not evaluated against the test limit
- If Insertion Loss @ 900 MHz is < 17 dB, then:

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 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	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
							20	9	65.0	17.5	56.0	61.4	62.0	53.0	58.4	33.5	4.0	i	i	i
							25	10	65.0	17.0	55.0	59.4	62.0	52.0	56.4	32.0	2.0	i	i	i
							31.25	11.2	65.0	16.5	53.8	57.5	62.0	50.8	54.5	30.4	i	i	i	i
							62.5	15.9	65.0	14.0	49.1	51.5	62.0	46.1	48.5	24.4	i	i	i	i
							100	20.3	65.0	12.0	44.7	47.4	62.0	41.7	44.4	20.3	i	i	i	i
							200	28.9	60.9	9.0	32.0	41.4	57.9	29.0	38.4	14.3	i	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	i
							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

- 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 < 70 dB, not evaluated against the test limit
- If Insertion Loss @ 900 MHz is < 17 dB, then:
- i if shielded — Informational measurement only if using shielded cable

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 In a Pair	Resistance Unbalance 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	CMRL
	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 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	0.15 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 Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew
	Ω	Ω or %	Ω or %	Max.	nS	nS
1,2 - 1,2	25	None	None	100	555	30
3,6 - 3,6						
4,5 - 4,5						
7,8 - 7,8						

(yellow)	Not evaluated against the test limit
(light purple)	If Insertion Loss < 3 dB, not evaluated against the test limit
(blue)	If Insertion Loss < 4 dB, not evaluated against the test limit
(green)	If FEXT is < 70 dB, not evaluated against the test limit
(orange)	If PS FEXT is < 70 dB, not evaluated against the test limit
i	Informational measurement only, no limit available

Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	CMRL
MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1	4.0	65.0	19.0	61.0	65.0	62.0	58.0	62.0					
4	4.1	65.0	19.0	60.9	65.0	62.0	57.9	62.0					
8	5.7	65.0	19.0	59.3	62.4	62.0	56.3	59.4					
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					
20	9.1	65.0	17.5	55.9	55.9	62.0	52.9	52.9					
25	10.2	65.0	17.0	54.8	54.4	62.0	51.8	51.4					
31.25	11.4	65.0	16.5	53.6	52.8	62.0	50.6	49.8					
62.5	16.3	65.0	14.0	48.7	47.8	62.0	45.7	44.8					
100	20.8	62.9	12.0	42.1	44.4	59.9	39.1	41.4					
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 Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew
	Ω	Ω or %	Ω or %	Max.	nS	nS
1,2 - 1,2	25	0.2 or 3.0	0.2 or 7.0	100	555	30
3,6 - 3,6						
4,5 - 4,5						
7,8 - 7,8						

i	Informational measurement only, no limit available
(yellow)	Not evaluated against the test limit
(light purple)	If Insertion Loss < 3 dB, not evaluated against the test limit
(blue)	If Insertion Loss < 4 dB, not evaluated against the test limit
(green)	If FEXT is < 70 dB, not evaluated against the test limit
(orange)	If PS FEXT is < 70 dB, not evaluated against the test limit
i if shielded	Informational measurement only if using shielded cable

Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	CMRL
MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1	4.0	65.0	19.0	61.0	65.0	62.0	58.0	62.0	40.0	30.0	i	i	i
4	4.1	65.0	19.0	60.9	65.0	62.0	57.9	62.0	40.0	18.0	i	i	i
8	5.7	65.0	19.0	59.3	62.4	62.0	56.3	59.4	39.5	11.9	i	i	i
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
20	9.1	65.0	17.5	55.9	55.9	62.0	52.9	52.9	33.5	4.0	i	i	i
25	10.2	65.0	17.0	54.8	54.4	62.0	51.8	51.4	32.0	2.0	i	i	i
31.25	11.4	65.0	16.5	53.6	52.8	62.0	50.6	49.8	30.4	i	i	i	i
62.5	16.3	65.0	14.0	48.7	47.8	62.0	45.7	44.8	24.4	i	i	i	i
100	20.8	62.9	12.0	42.1	44.4	59.9	39.1	41.4	20.3	i	i	i	i
200	30.0	58.3	9.0	28.4	39.4	55.3	25.4	36.4	14.3	i	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	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					
							20	7.7	53.1	19.5	45.3	39.2	50.7	43.0	36.2					
							25	8.6	51.5	19.0	42.9	37.3	49.1	40.5	34.3					
							31.25	9.7	50.0	18.5	40.3	35.3	47.5	37.9	32.3					
							62.5	13.8	45.1	16.0	31.3	29.3	42.7	28.8	26.3					
							100	17.6	41.8	14.0	24.2	25.2	39.3	21.7	22.2					
							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					

- 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 < 70 dB, not evaluated against the test limit
- If Insertion Loss @ 450 MHz < 12 dB, then:

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
							16	6.9	54.6	20.0	47.7	41.2	52.2	45.3	38.2	34.9	5.9	i	i	i
							20	7.7	53.1	19.5	45.3	39.2	50.7	43.0	36.2	33.5	4.0	i	i	i
							25	8.6	51.5	19.0	42.9	37.3	49.1	40.5	34.3	32.0	2.0	i	i	i
							31.25	9.7	50.0	18.5	40.3	35.3	47.5	37.9	32.3	30.4	i	i	i	i
							62.5	13.8	45.1	16.0	31.3	29.3	42.7	28.8	26.3	24.4	i	i	i	i
							100	17.6	41.8	14.0	24.2	25.2	39.3	21.7	22.2	20.3	i	i	i	i
							200	25.4	36.9	11.0	11.5	19.2	34.3	8.9	16.2	14.3	i	i	i	i
							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

- 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 < 70 dB, not evaluated against the test limit
- If Insertion Loss @ 450 MHz < 12 dB, then:
- i — Informational measurement only, no limit available
- i if shielded — Informational measurement only if using shielded cable

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					
							20	7.8	53.1	19.5	45.3	38.2	50.7	42.9	35.2					
							25	8.7	51.5	19.0	42.8	36.2	49.1	40.4	33.2					
							31.25	9.8	50.0	18.5	40.2	34.3	47.5	37.8	31.3					
							62.5	14.0	45.1	16.0	31.2	28.3	42.7	28.7	25.3					
							100	17.8	41.8	14.0	24.0	24.2	39.3	21.5	21.2					
							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					

- 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 < 70 dB, not evaluated against the test limit
- If Insertion Loss @ 450 MHz < 12 dB, then:

GB/T 50312-2016 Cat 6A PL with CP (+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	CMRL
	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
							20	7.8	53.1	19.5	45.3	38.2	50.7	42.9	35.2	33.5	4.0	i	i	i
							25	8.7	51.5	19.0	42.8	36.2	49.1	40.4	33.2	32.0	2.0	i	i	i
							31.25	9.8	50.0	18.5	40.2	34.3	47.5	37.8	31.3	30.4	i	i	i	i
							62.5	14.0	45.1	16.0	31.2	28.3	42.7	28.7	25.3	24.4	i	i	i	i
							100	17.8	41.8	14.0	24.0	24.2	39.3	21.5	21.2	20.3	i	i	i	i
							200	25.7	36.9	11.0	11.3	18.2	34.3	8.7	15.2	14.3	i	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	i
							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

- 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 < 70 dB, not evaluated against the test limit
- If Insertion Loss @ 450 MHz < 12 dB, then:
- i: Informational measurement only, no limit available
- i if shielded: Informational measurement only if using shielded cable

GB/T 50312-2016 Cat 6A Ch

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	CMRL
	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					
							20	9.2	51.6	17.5	42.5	37.2	49.0	39.8	34.2					
							25	10.2	50.0	17.0	39.8	35.3	47.3	37.1	32.3					
							31.25	11.5	48.4	16.5	36.9	33.4	45.7	34.2	30.4					
							62.5	16.4	43.4	14.0	27.0	27.3	40.6	24.2	24.3					
							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	30.6	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					

- 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 < 70 dB, not evaluated against the test limit
- If Insertion Loss @ 450 MHz < 12 dB, then:

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 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	CMRL
	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
							16	8.2	53.2	18.0	45.0	39.2	50.6	42.4	36.2	34.9	5.9	i	i	i
							20	9.2	51.6	17.5	42.5	37.2	49.0	39.8	34.2	33.5	4.0	i	i	i
							25	10.2	50.0	17.0	39.8	35.3	47.3	37.1	32.3	32.0	2.0	i	i	i
							31.25	11.5	48.4	16.5	36.9	33.4	45.7	34.2	30.4	30.4	i	i	i	i
							62.5	16.4	43.4	14.0	27.0	27.3	40.6	24.2	24.3	24.4	i	i	i	i
							100	20.9	39.9	12.0	19.0	23.3	37.1	16.2	20.3	20.3	i	i	i	i
							200	30.1	34.8	9.0	4.7	17.2	31.9	1.8	14.2	14.3	i	i	i	i
							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

- 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 < 70 dB, not evaluated against the test limit
- If Insertion Loss @ 450 MHz < 12 dB, then:
- i: Informational measurement only, no limit available
- i if shielded: Informational measurement only if using shielded cable

Freq.	NEXT	PS NEXT
450	30.2	27.4
500	27.8	25.0

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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					

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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

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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					

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Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew
	Ω	Ω or %	Ω or %	Max.	nS	nS
1,2 - 1,2	25	0.2 or 3.0	0.2 or 7.0	100	555	50
3,6 - 3,6						
4,5 - 4,5						
7,8 - 7,8						

Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	CMRL
MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1	4.0	65.0	19.0	61.0	63.3	62.0	58.0	60.3	40.0	30.0	i	i	i
4	4.2	63.0	19.0	58.9	51.2	60.5	56.4	48.2	40.0	18.0	i	i	i
8	5.9	58.2	19.0	52.3	45.2	55.6	49.7	42.2	39.5	11.9	i	i	i
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
20	9.3	51.6	17.5	42.3	37.2	49.0	39.7	34.2	33.5	4.0	i	i	i
25	10.5	50.0	17.0	39.6	35.3	47.3	36.9	32.3	32.0	2.0	i	i	i
31.25	11.7	48.4	16.5	36.7	33.4	45.7	34.0	30.4	30.4	i	i	i	i
62.5	16.9	43.4	14.0	26.5	27.3	40.6	23.7	24.3	24.4	i	i	i	i
100	21.7	39.9	12.0	18.2	23.3	37.1	15.4	20.3	20.3	i	i	i	i
200	31.7	34.8	9.0	3.1	17.2	31.9	0.1	14.2	14.3	i	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	i
350	i	i	i	i	i	i	i	i	i	i	i	i	i

- 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 < 70 dB, not evaluated against the test limit
- If Insertion Loss @ 450 MHz < 12 dB, then:
- i — Informational measurement only, no limit available

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Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew
	Ω	Ω or %	Ω or %	Max.	nS	nS
1,2 - 1,2	21	None	None	90	498	44
3,6 - 3,6						
4,5 - 4,5						
7,8 - 7,8						

Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	CMRL
MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1	4.0	60.0	19.0	56.0	58.6	57.0	53.0	55.6					
4	4.0	54.8	19.0	50.8	46.6	51.8	47.8	43.6					
8	5.4	50.0	19.0	44.6	40.6	47.0	41.6	37.6					
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					
20	8.7	43.7	19.0	35.0	32.6	40.7	32.0	29.6					
25	9.7	42.1	18.0	32.4	30.7	39.1	29.4	27.7					
31.25	10.9	40.5	17.1	29.6	28.7	37.5	26.6	25.7					
62.5	15.8	35.7	14.0	19.8	22.7	32.7	16.8	19.7					
100	20.4	32.3	12.0	11.9	18.6	29.3	8.9	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					

- 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 < 70 dB, not evaluated against the test limit
- If Insertion Loss @ 450 MHz < 12 dB, then:
- i — Informational measurement only, no limit available

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Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Delay	Delay Skew
	Ω	Ω or %	Ω or %	Max.	nS	nS
1,2 - 1,2	21	0.15 or 3.0	0.2 or 7.0	90	498	44
3,6 - 3,6						
4,5 - 4,5						
7,8 - 7,8						

Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL	CMRL
MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1	4.0	60.0	19.0	56.0	58.6	57.0	53.0	55.6	40.0	30.0	i	i	i
4	4.0	54.8	19.0	50.8	46.6	51.8	47.8	43.6	40.0	18.0	i	i	i
8	5.4	50.0	19.0	44.6	40.6	47.0	41.6	37.6	39.5	11.9	i	i	i
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
20	8.7	43.7	19.0	35.0	32.6	40.7	32.0	29.6	33.5	4.0	i	i	i
25	9.7	42.1	18.0	32.4	30.7	39.1	29.4	27.7	32.0	2.0	i	i	i
31.25	10.9	40.5	17.1	29.6	28.7	37.5	26.6	25.7	30.4	i	i	i	i
62.5	15.8	35.7	14.0	19.8	22.7	32.7	16.8	19.7	24.4	i	i	i	i
100	20.4	32.3	12.0	11.9	18.6	29.3	8.9	15.6	20.3	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

- 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 < 70 dB, not evaluated against the test limit
- If Insertion Loss @ 450 MHz < 12 dB, then:
- i — Informational measurement only, no limit available
- i if shielded — Informational measurement only if using shielded cable

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					
							20	10.2	42.0	17.0	31.8	31.4	39.0	28.8	28.4					
							25	11.5	40.3	16.0	28.9	29.4	37.3	25.9	26.4					
							31.25	12.9	38.7	15.1	25.8	27.5	35.7	22.8	24.5					
							62.5	18.6	33.6	12.0	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					

- 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 < 70 dB, not evaluated against the test limit
- If Insertion Loss @ 450 MHz < 12 dB, then:
- i — Informational measurement only, no limit available

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
							20	10.2	42.0	17.0	31.8	31.4	39.0	28.8	28.4	33.5	4.0	i	i	i
							25	11.5	40.3	16.0	28.9	29.4	37.3	25.9	26.4	32.0	2.0	i	i	i
							31.25	12.9	38.7	15.1	25.8	27.5	35.7	22.8	24.5	30.4	i	i	i	i
							62.5	18.6	33.6	12.0	15.0	21.5	30.6	12.0	18.5	24.4	i	i	i	i
							100	24.0	30.1	10.0	6.1	17.4	27.1	3.1	14.4	20.3	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

- 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 < 70 dB, not evaluated against the test limit
- If Insertion Loss @ 450 MHz < 12 dB, then:
- i — Informational measurement only, no limit available
- i if shielded — Informational measurement only if using shielded cable

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									
							20	i	i	i	i									
							25	i	i	i	i									
							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									

- 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
- i — Informational measurement only, no limit available

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									
							20	i	i	i	i									
							25	i	i	i	i									
							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									

- (light yellow) Not evaluated against the test limit
- (lavender) If Insertion Loss < 3 dB, not evaluated against the test limit
- (blue) If Insertion Loss < 4 dB, not evaluated against the test limit
- i — Informational measurement only, no limit available

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			
							20	8.2	78.0	25.0		69.3	75.0		66.3	37.0	9.0			
							25	9.2	78.0	24.3		67.3	75.0		64.3	36.0	7.0			
							31.25	10.3	78.0	23.6		65.4	75.0		62.4	35.1	i			
							62.5	14.6	78.0	21.5		59.4	75.0		56.4	32.0	i			
							100	18.5	75.4	20.1		55.3	72.4		52.3	30.0	i			
							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			

- (light yellow) Not evaluated against the test limit
- (lavender) If Insertion Loss < 3 dB, not evaluated against the test limit
- (green) If FEXT is < 70 dB, not evaluated against the test limit
- (orange) If PS FEXT is < 67 dB, not evaluated against the test limit
- i — Informational measurement only, no limit available
- i if shielded — Informational measurement only if using shielded cable

YD/T 1019 7 Cable 100m (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	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	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			
							20	8.3	78.0	25.0		69.3	75.0		66.3	37.0	9.0			
							25	9.3	78.0	24.3		67.3	75.0		64.3	36.0	7.0			
							31.25	10.4	78.0	23.6		65.4	75.0		62.4	35.1	i			
							62.5	14.9	75.5	21.5		59.4	72.5		56.4	32.0	i			
							100	19.0	72.4	20.1		55.3	69.4		52.3	30.0	i			
							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			

(yellow)	Not evaluated against the test limit
(lavender)	If Insertion Loss < 3 dB, not evaluated against the test limit
(green)	If FEXT is < 70 dB, not evaluated against the test limit
(orange)	If PS FEXT is < 67 dB, not evaluated against the test limit
i	Informational measurement only, no limit available
i if shielded	Informational measurement only if using shielded cable

YD/T 1019 6A Cable 100m (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	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	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			
							20	8.4	55.8	25.0		42.0	52.8		39.0	37.0	9.0			
							25	9.4	54.3	24.3		40.0	51.3		37.0	36.0	7.0			
							31.25	10.5	52.9	23.6		38.1	49.9		35.1	35.1	i			
							62.5	15.0	48.4	21.5		32.1	45.4		29.1	32.0	i			
							100	19.1	45.3	20.1		28.0	42.3		25.0	30.0	i			
							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			

(yellow)	Not evaluated against the test limit
(lavender)	If Insertion Loss < 3 dB, not evaluated against the test limit
(green)	If FEXT is < 70 dB, not evaluated against the test limit
(orange)	If PS FEXT is < 67 dB, not evaluated against the test limit
i	Informational measurement only, no limit available
i if shielded	Informational measurement only if using shielded cable

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 In a Pair	Resistance Unbalance Pair to Pair	Length	Prop. Delay	Delay Skew
	Ω	Ω or %	Ω or %	Max.	nS	nS
1,2 - 1,2	20.6			90	496	25
3,6 - 3,6						
4,5 - 4,5						
7,8 - 7,8						

- (light yellow) Not evaluated against the test limit
- (light purple) If Insertion Loss < 3 dB, not evaluated against the test limit
- (blue) If Insertion Loss < 4 dB, not evaluated against the test limit
- (green) If FEXT is < 70 dB, not evaluated against the test limit
- (red) If PS FEXT is < 70 dB, not evaluated against the test limit
- (purple) If Insertion Loss @ 900 MHz is < 17 dB, then:

Freq.	NEXT	PS NEXT
900	50.3	47.3
1000	46.3	43.3

Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0				
4	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0				
8	4.8	65.0	21.0	60.2	65.0	62.0	57.2	62.0				
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				
25	8.5	65.0	19.0	56.5	62.5	62.0	53.5	59.5				
31.25	9.5	65.0	18.5	55.5	60.6	62.0	52.5	57.6				
62.5	13.4	65.0	16.0	51.6	54.6	62.0	48.6	51.6				
100	17.1	65.0	14.0	47.9	50.5	62.0	44.9	47.5				
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	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				

EN50173 PL3 Class Fa

Wire Map	Resistance	Resistance Unbalance In a Pair	Resistance Unbalance Pair to Pair	Length	Prop. Delay	Delay Skew
	Ω	Ω or %	Ω or %	Max.	nS	nS
1,2 - 1,2	21			90	498	26
3,6 - 3,6						
4,5 - 4,5						
7,8 - 7,8						

- (light yellow) Not evaluated against the test limit
- (light purple) If Insertion Loss < 3 dB, not evaluated against the test limit
- (blue) If Insertion Loss < 4 dB, not evaluated against the test limit
- (green) If FEXT is < 70 dB, not evaluated against the test limit
- (red) If PS FEXT is < 70 dB, not evaluated against the test limit

Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0				
4	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0				
8	4.9	65.0	21.0	60.1	65.0	62.0	57.1	62.0				
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				
25	8.6	65.0	19.0	56.4	60.8	62.0	53.4	57.8				
31.25	9.6	65.0	18.5	55.4	58.9	62.0	52.4	55.9				
62.5	13.6	65.0	16.0	51.4	52.9	62.0	48.4	49.9				
100	17.3	65.0	14.0	47.7	48.8	62.0	44.7	45.8				
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				

FLUKE networks.

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				
							25	8.7	51.5	19.0	42.8	36.2	49.1	40.4	33.2				
							31.25	9.8	50.0	18.5	40.2	34.3	47.5	37.8	31.3				
							62.5	14.0	45.1	16.0	31.2	28.3	42.7	28.7	25.3				
							100	17.8	41.8	14.0	24.0	24.2	39.3	21.5	21.2				
							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				

- 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 < 70 dB, not evaluated against the test limit

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				
							20	7.9	53.1	19.5	45.1	38.2	50.7	42.7	35.2				
							25	8.9	51.5	19.0	42.6	36.2	49.1	40.2	33.2				
							31.25	10.0	50.0	18.5	40.0	34.3	47.5	37.5	31.3				
							62.5	14.4	45.1	16.0	30.7	28.3	42.7	28.2	25.3				
							100	18.5	41.8	14.0	23.3	24.2	39.3	20.8	21.2				
							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				

- 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 < 70 dB, not evaluated against the test limit

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				
							20	8.7	43.7	19.0	35.0	32.6	40.7	32.0	29.6				
							25	9.7	42.1	18.0	32.4	30.7	39.1	29.4	27.7				
							31.25	10.9	40.5	17.1	29.6	28.7	37.5	26.6	25.7				
							62.5	15.8	35.7	14.0	19.8	22.7	32.7	16.8	19.7				
							100	20.4	32.3	12.0	11.9	18.6	29.3	8.9	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				

- 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 < 70 dB, not evaluated against the test limit

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								
							20	i	i	i	i								
							25	i	i	i	i								
							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								

i — Informational measurement only, no limit available

(yellow) Not evaluated against the test limit

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

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				
							25	10.0	65.0	17.0	55.0	59.4	62.0	52.0	56.4				
							31.25	11.2	65.0	16.5	53.8	57.5	62.0	50.8	54.5				
							62.5	15.9	65.0	14.0	49.1	51.5	62.0	46.1	48.5				
							100	20.3	65.0	12.0	44.7	47.4	62.0	41.7	44.4				
							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	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				

(yellow) Not evaluated against the test limit

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

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

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

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

(purple) If Insertion Loss @ 900 MHz is < 17 dB, then:

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				
							20	9.1	65.0	17.5	55.9	55.9	62.0	52.9	52.9				
							25	10.2	65.0	17.0	54.8	54.4	62.0	51.8	51.4				
							31.25	11.4	65.0	16.5	53.6	52.8	62.0	50.6	49.8				
							62.5	16.3	65.0	14.0	48.7	47.8	62.0	45.7	44.8				
							100	20.8	62.9	12.0	42.1	44.4	59.9	39.1	41.4				
							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				

i	Informational measurement only, no limit available
(light yellow)	Not evaluated against the test limit
(lavender)	If Insertion Loss < 3 dB, not evaluated against the test limit
(blue)	If Insertion Loss < 4 dB, not evaluated against the test limit
(green)	If FEXT is < 70 dB, not evaluated against the test limit
(orange)	If PS FEXT is < 67 dB, not evaluated against the test limit

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				
							20	9.2	51.6	17.5	42.5	37.2	49.0	39.8	34.2				
							25	10.2	50.0	17.0	39.8	35.3	47.3	37.1	32.3				
							31.25	11.5	48.4	16.5	36.9	33.4	45.7	34.2	30.4				
							62.5	16.4	43.4	14.0	27.0	27.3	40.6	24.2	24.3				
							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	30.6	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				

i	Informational measurement only, no limit available
(light yellow)	Not evaluated against the test limit
(lavender)	If Insertion Loss < 3 dB, not evaluated against the test limit
(blue)	If Insertion Loss < 4 dB, not evaluated against the test limit
(green)	If FEXT is < 70 dB, not evaluated against the test limit
(orange)	If PS FEXT is < 67 dB, not evaluated against the test limit

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				
							20	7.6	65.0	19.5	57.4	64.5	62.0	54.4	61.5				
							25	8.5	65.0	19.0	56.5	62.5	62.0	53.5	59.5				
							31.25	9.5	65.0	18.5	55.5	60.6	62.0	52.5	57.6				
							62.5	13.4	65.0	16.0	51.6	54.6	62.0	48.6	51.6				
							100	17.1	65.0	14.0	47.9	50.5	62.0	44.9	47.5				
							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				

i	Informational measurement only, no limit available
(yellow)	Not evaluated against the test limit
(light purple)	If Insertion Loss < 3 dB, not evaluated against the test limit
(blue)	If Insertion Loss < 4 dB, not evaluated against the test limit
(green)	If FEXT is < 70 dB, not evaluated against the test limit
(red)	If PS FEXT is < 70 dB, not evaluated against the test limit

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				
							20	7.7	65.0	19.5	57.3	62.8	62.0	54.3	59.8				
							25	8.6	65.0	19.0	56.4	60.8	62.0	53.4	57.8				
							31.25	9.6	65.0	18.5	55.4	58.9	62.0	52.4	55.9				
							62.5	13.6	65.0	16.0	51.4	52.9	62.0	48.4	49.9				
							100	17.3	65.0	14.0	47.7	48.8	62.0	44.7	45.8				
							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				

i	Informational measurement only, no limit available
(yellow)	Not evaluated against the test limit
(light purple)	If Insertion Loss < 3 dB, not evaluated against the test limit
(blue)	If Insertion Loss < 4 dB, not evaluated against the test limit
(green)	If FEXT is < 70 dB, not evaluated against the test limit
(red)	If PS FEXT is < 70 dB, not evaluated against the test limit

JIS X5150:2016 PL2 Class Fa

Wire Map	Resistance	Resistance Unbalance In a Pair	Resistance Unbalance 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	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				
							25	8.5	65.0	19.0	56.5	62.5	62.0	53.5	59.5				
							31.25	9.5	65.0	18.5	55.5	60.6	62.0	52.5	57.6				
							62.5	13.4	65.0	16.0	51.6	54.6	62.0	48.6	51.6				
							100	17.1	65.0	14.0	47.9	50.5	62.0	44.9	47.5				
							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	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				

- (light yellow) Not evaluated against the test limit
- (lavender) If Insertion Loss < 3 dB, not evaluated against the test limit
- (blue) If Insertion Loss < 4 dB, not evaluated against the test limit
- (green) If FEXT is < 70 dB, not evaluated against the test limit
- (red) If PS FEXT is < 70 dB, not evaluated against the test limit
- (purple) If Insertion Loss @ 900 MHz is < 17 dB, then:

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 In a Pair	Resistance Unbalance 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	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
							20	7.6	65.0	19.5	57.4	64.5	62.0	54.4	61.5	33.5	4.0	i	i
							25	8.5	65.0	19.0	56.5	62.5	62.0	53.5	59.5	32.0	2.0	i	i
							31.25	9.5	65.0	18.5	55.5	60.6	62.0	52.5	57.6	30.4	i	i	i
							62.5	13.4	65.0	16.0	51.6	54.6	62.0	48.6	51.6	24.4	i	i	i
							100	17.1	65.0	14.0	47.9	50.5	62.0	44.9	47.5	20.3	i	i	i
							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	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

- i — Informational measurement only, no limit available
- (light yellow) Not evaluated against the test limit
- (lavender) If Insertion Loss < 3 dB, not evaluated against the test limit
- (blue) If Insertion Loss < 4 dB, not evaluated against the test limit
- (green) If FEXT is < 70 dB, not evaluated against the test limit
- (red) If PS FEXT is < 70 dB, not evaluated against the test limit
- (purple) If Insertion Loss @ 900 MHz is < 17 dB, then:

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				
							25	8.6	65.0	19.0	56.4	60.8	62.0	53.4	57.8				
							31.25	9.6	65.0	18.5	55.4	58.9	62.0	52.4	55.9				
							62.5	13.6	65.0	16.0	51.4	52.9	62.0	48.4	49.9				
							100	17.3	65.0	14.0	47.7	48.8	62.0	44.7	45.8				
							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				

- 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 < 70 dB, not evaluated against the test limit

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
							20	7.7	65.0	19.5	57.3	62.8	62.0	54.3	59.8	33.5	4.0	i	i
							25	8.6	65.0	19.0	56.4	60.8	62.0	53.4	57.8	32.0	2.0	i	i
							31.25	9.6	65.0	18.5	55.4	58.9	62.0	52.4	55.9	30.4	i	i	i
							62.5	13.6	65.0	16.0	51.4	52.9	62.0	48.4	49.9	24.4	i	i	i
							100	17.3	65.0	14.0	47.7	48.8	62.0	44.7	45.8	20.3	i	i	i
							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

- 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 < 70 dB, not evaluated against the test limit

JIS X5150:2016 PL Class F

Wire Map	Resistance	Resistance Unbalance		Length	Prop. Delay	Delay Skew
		In a Pair	Pair to Pair			
	Ω	Ω or %	Ω or %	Max.	nS	nS
1,2 - 1,2	21			90	498	26
3,6 - 3,6						
4,5 - 4,5						
7,8 - 7,8						

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 < 70 dB, not evaluated against the test limit

Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0				
4	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0				
8	4.9	65.0	21.0	60.1	64.3	62.0	57.1	61.3				
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				
20	7.7	65.0	19.5	57.3	57.7	62.0	54.3	54.7				
25	8.7	65.0	19.0	56.3	56.1	62.0	53.3	53.1				
31.25	9.7	65.0	18.5	55.3	54.5	62.0	52.3	51.5				
62.5	13.9	65.0	16.0	51.1	49.5	62.0	48.1	46.5				
100	17.7	65.0	14.0	47.3	46.0	62.0	44.3	43.0				
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
		In a Pair	Pair to Pair			
	Ω	Ω or %	Ω or %	Max.	nS	nS
1,2 - 1,2	21	0.15 or 3.0	0.2 or 7.0	90	498	26
3,6 - 3,6						
4,5 - 4,5						
7,8 - 7,8						

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 < 70 dB, not evaluated against the test limit

Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0	40.0	30.0	i	i
4	4.0	65.0	21.0	61.0	65.0	62.0	58.0	62.0	40.0	18.0	i	i
8	4.9	65.0	21.0	60.1	64.3	62.0	57.1	61.3	39.5	11.9	i	i
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
20	7.7	65.0	19.5	57.3	57.7	62.0	54.3	54.7	33.5	4.0	i	i
25	8.7	65.0	19.0	56.3	56.1	62.0	53.3	53.1	32.0	2.0	i	i
31.25	9.7	65.0	18.5	55.3	54.5	62.0	52.3	51.5	30.4	i	i	i
62.5	13.9	65.0	16.0	51.1	49.5	62.0	48.1	46.5	24.4	i	i	i
100	17.7	65.0	14.0	47.3	46.0	62.0	44.3	43.0	20.3	i	i	i
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 In a Pair	Resistance Unbalance 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	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				
							25	8.6	51.5	19.0	42.9	37.3	49.1	40.5	34.3				
							31.25	9.7	50.0	18.5	40.3	35.3	47.5	37.9	32.3				
							62.5	13.8	45.1	16.0	31.3	29.3	42.7	28.8	26.3				
							100	17.6	41.8	14.0	24.2	25.2	39.3	21.7	22.2				
							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				

- (yellow) Not evaluated against the test limit
- (lavender) If Insertion Loss < 3 dB, not evaluated against the test limit
- (blue) If Insertion Loss < 4 dB, not evaluated against the test limit
- (green) If FEXT is < 70 dB, not evaluated against the test limit
- (red) If PS FEXT is < 70 dB, not evaluated against the test limit
- (dark blue) If Insertion Loss @ 450 MHz < 12 dB, then:

Freq.	NEXT	PS NEXT
450	30.2	27.4
500	27.8	25.0

JIS X5150:2016 PL2 Class Ea (+All)

Wire Map	Resistance	Resistance Unbalance In a Pair	Resistance Unbalance 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	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
							20	7.7	53.1	19.5	45.3	39.2	50.7	43.0	36.2	33.5	4.0	i	i
							25	8.6	51.5	19.0	42.9	37.3	49.1	40.5	34.3	32.0	2.0	i	i
							31.25	9.7	50.0	18.5	40.3	35.3	47.5	37.9	32.3	30.4	i	i	i
							62.5	13.8	45.1	16.0	31.3	29.3	42.7	28.8	26.3	24.4	i	i	i
							100	17.6	41.8	14.0	24.2	25.2	39.3	21.7	22.2	20.3	i	i	i
							200	25.4	36.9	11.0	11.5	19.2	34.3	8.9	16.2	14.3	i	i	i
							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

- i — Informational measurement only, no limit available
- (yellow) Not evaluated against the test limit
- (lavender) If Insertion Loss < 3 dB, not evaluated against the test limit
- (blue) If Insertion Loss < 4 dB, not evaluated against the test limit
- (green) If FEXT is < 70 dB, not evaluated against the test limit
- (red) If PS FEXT is < 70 dB, not evaluated against the test limit
- (dark blue) If Insertion Loss @ 450 MHz < 12 dB, then:

Freq.	NEXT	PS NEXT
450	30.2	27.4
500	27.8	25.0

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				
							25	8.7	51.5	19.0	42.8	36.2	49.1	40.4	33.2				
							31.25	9.8	50.0	18.5	40.2	34.3	47.5	37.8	31.3				
							62.5	14.0	45.1	16.0	31.2	28.3	42.7	28.7	25.3				
							100	17.8	41.8	14.0	24.0	24.2	39.3	21.5	21.2				
							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				

(yellow)	Not evaluated against the test limit
(lavender)	If Insertion Loss < 3 dB, not evaluated against the test limit
(blue)	If Insertion Loss < 4 dB, not evaluated against the test limit
(green)	If FEXT is < 70 dB, not evaluated against the test limit
(red)	If PS FEXT is < 70 dB, not evaluated against the test limit

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
							20	7.8	53.1	19.5	45.3	38.2	50.7	42.9	35.2	33.5	4.0	i	i
							25	8.7	51.5	19.0	42.8	36.2	49.1	40.4	33.2	32.0	2.0	i	i
							31.25	9.8	50.0	18.5	40.2	34.3	47.5	37.8	31.3	30.4	i	i	i
							62.5	14.0	45.1	16.0	31.2	28.3	42.7	28.7	25.3	24.4	i	i	i
							100	17.8	41.8	14.0	24.0	24.2	39.3	21.5	21.2	20.3	i	i	i
							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

i	Informational measurement only, no limit available
(yellow)	Not evaluated against the test limit
(lavender)	If Insertion Loss < 3 dB, not evaluated against the test limit
(blue)	If Insertion Loss < 4 dB, not evaluated against the test limit
(green)	If FEXT is < 70 dB, not evaluated against the test limit
(red)	If PS FEXT is < 70 dB, not evaluated against the test limit

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				
							20	7.9	53.1	19.5	45.1	38.2	50.7	42.7	35.2				
							25	8.9	51.5	19.0	42.6	36.2	49.1	40.2	33.2				
							31.25	10.0	50.0	18.5	40.0	34.3	47.5	37.5	31.3				
							62.5	14.4	45.1	16.0	30.7	28.3	42.7	28.2	25.3				
							100	18.5	41.8	14.0	23.3	24.2	39.3	20.8	21.2				
							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				

i	Informational measurement only, no limit available
(yellow)	Not evaluated against the test limit
(lavender)	If Insertion Loss < 3 dB, not evaluated against the test limit
(blue)	If Insertion Loss < 4 dB, not evaluated against the test limit
(green)	If FEXT is < 70 dB, not evaluated against the test limit
(red)	If PS FEXT is < 70 dB, not evaluated against the test limit

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
							20	7.9	53.1	19.5	45.1	38.2	50.7	42.7	35.2	33.5	4.0	i	i
							25	8.9	51.5	19.0	42.6	36.2	49.1	40.2	33.2	32.0	2.0	i	i
							31.25	10.0	50.0	18.5	40.0	34.3	47.5	37.5	31.3	30.4	i	i	i
							62.5	14.4	45.1	16.0	30.7	28.3	42.7	28.2	25.3	24.4	i	i	i
							100	18.5	41.8	14.0	23.3	24.2	39.3	20.8	21.2	20.3	i	i	i
							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

- 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 < 70 dB, not evaluated against the test limit

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				
							20	8.7	43.7	19.0	35.0	32.6	40.7	32.0	29.6				
							25	9.7	42.1	18.0	32.4	30.7	39.1	29.4	27.7				
							31.25	10.9	40.5	17.1	29.6	28.7	37.5	26.6	25.7				
							62.5	15.8	35.7	14.0	19.8	22.7	32.7	16.8	19.7				
							100	20.4	32.3	12.0	11.9	18.6	29.3	8.9	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				

- 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 < 70 dB, not evaluated against the test limit

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
							20	8.7	43.7	19.0	35.0	32.6	40.7	32.0	29.6	33.5	4.0	i	i
							25	9.7	42.1	18.0	32.4	30.7	39.1	29.4	27.7	32.0	2.0	i	i
							31.25	10.9	40.5	17.1	29.6	28.7	37.5	26.6	25.7	30.4	i	i	i
							62.5	15.8	35.7	14.0	19.8	22.7	32.7	16.8	19.7	24.4	i	i	i
							100	20.4	32.3	12.0	11.9	18.6	29.3	8.9	15.6	20.3	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

- 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 < 70 dB, not evaluated against the test limit

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								
							20	i	i	i	i								
							25	i	i	i	i								
							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								

- i — Informational measurement only, no limit available
- (light yellow) Not evaluated against the test limit
- (lavender) If Insertion Loss < 3 dB, not evaluated against the test limit
- (blue) If Insertion Loss < 4 dB, not evaluated against the test limit

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				
							25	10.0	65.0	17.0	55.0	59.4	62.0	52.0	56.4				
							31.25	11.2	65.0	16.5	53.8	57.5	62.0	50.8	54.5				
							62.5	15.9	65.0	14.0	49.1	51.5	62.0	46.1	48.5				
							100	20.3	65.0	12.0	44.7	47.4	62.0	41.7	44.4				
							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	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				

- (light yellow) Not evaluated against the test limit
- (lavender) If Insertion Loss < 3 dB, not evaluated against the test limit
- (blue) If Insertion Loss < 4 dB, not evaluated against the test limit
- (green) If FEXT is < 70 dB, not evaluated against the test limit
- (orange) If PS FEXT is < 67 dB, not evaluated against the test limit
- (purple) If Insertion Loss @ 900 MHz is < 17 dB, then:

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 In a Pair	Resistance Unbalance Pair to Pair	Length	Prop. Delay	Delay Skew
	Ω	Ω or %	Ω or %	Max.	nS	nS
1,2 - 1,2	25	0.2 or 3.0	0.2 or 7.0	100	555	30
3,6 - 3,6						
4,5 - 4,5						
7,8 - 7,8						

- i — Informational measurement only, no limit available
- (light yellow) — Not evaluated against the test limit
- (light purple) — If Insertion Loss < 3 dB, not evaluated against the test limit
- (blue) — If Insertion Loss < 4 dB, not evaluated against the test limit
- (green) — If FEXT is < 70 dB, not evaluated against the test limit
- (orange) — If PS FEXT is < 67 dB, not evaluated against the test limit
- (purple) — If Insertion Loss @ 900 MHz is < 17 dB, then:

Freq.	NEXT	PS NEXT
900	48.8	45.8
1000	45.1	42.1

Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1	4.0	65.0	19.0	61.0	65.0	62.0	58.0	62.0	40.0	30.0	i	i
4	4.1	65.0	19.0	60.9	65.0	62.0	57.9	62.0	40.0	18.0	i	i
8	5.7	65.0	19.0	59.3	65.0	62.0	56.3	62.0	39.5	11.9	i	i
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
20	9.0	65.0	17.5	56.0	61.4	62.0	53.0	58.4	33.5	4.0	i	i
25	10.0	65.0	17.0	55.0	59.4	62.0	52.0	56.4	32.0	2.0	i	i
31.25	11.2	65.0	16.5	53.8	57.5	62.0	50.8	54.5	30.4	i	i	i
62.5	15.9	65.0	14.0	49.1	51.5	62.0	46.1	48.5	24.4	i	i	i
100	20.3	65.0	12.0	44.7	47.4	62.0	41.7	44.4	20.3	i	i	i
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

JIS X5150:2016 Channel Class F

Wire Map	Resistance	Resistance Unbalance In a Pair	Resistance Unbalance Pair to Pair	Length	Prop. Delay	Delay Skew
	Ω	Ω or %	Ω or %	Max.	nS	nS
1,2 - 1,2	25			100	555	30
3,6 - 3,6						
4,5 - 4,5						
7,8 - 7,8						

- i — Informational measurement only, no limit available
- (light yellow) — Not evaluated against the test limit
- (light purple) — If Insertion Loss < 3 dB, not evaluated against the test limit
- (blue) — If Insertion Loss < 4 dB, not evaluated against the test limit
- (green) — If FEXT is < 70 dB, not evaluated against the test limit
- (orange) — If PS FEXT is < 67 dB, not evaluated against the test limit

Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1	4.0	65.0	19.0	61.0	65.0	62.0	58.0	62.0				
4	4.1	65.0	19.0	60.9	65.0	62.0	57.9	62.0				
8	5.7	65.0	19.0	59.3	62.4	62.0	56.3	59.4				
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				
20	9.1	65.0	17.5	55.9	55.9	62.0	52.9	52.9				
25	10.2	65.0	17.0	54.8	54.4	62.0	51.8	51.4				
31.25	11.4	65.0	16.5	53.6	52.8	62.0	50.6	49.8				
62.5	16.3	65.0	14.0	48.7	47.8	62.0	45.7	44.8				
100	20.8	62.9	12.0	42.1	44.4	59.9	39.1	41.4				
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 In a Pair	Resistance Unbalance Pair to Pair	Length	Prop. Delay	Delay Skew
	Ω	Ω or %	Ω or %	Max.	nS	nS
1,2 - 1,2	25	0.2 or 3.0	0.2 or 7.0	100	555	30
3,6 - 3,6						
4,5 - 4,5						
7,8 - 7,8						

Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1	4.0	65.0	19.0	61.0	65.0	62.0	58.0	62.0	40.0	30.0	i	i
4	4.1	65.0	19.0	60.9	65.0	62.0	57.9	62.0	40.0	18.0	i	i
8	5.7	65.0	19.0	59.3	62.4	62.0	56.3	59.4	39.5	11.9	i	i
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
20	9.1	65.0	17.5	55.9	55.9	62.0	52.9	52.9	33.5	4.0	i	i
25	10.2	65.0	17.0	54.8	54.4	62.0	51.8	51.4	32.0	2.0	i	i
31.25	11.4	65.0	16.5	53.6	52.8	62.0	50.6	49.8	30.4	i	i	i
62.5	16.3	65.0	14.0	48.7	47.8	62.0	45.7	44.8	24.4	i	i	i
100	20.8	62.9	12.0	42.1	44.4	59.9	39.1	41.4	20.3	i	i	i
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

i	Informational measurement only, no limit available
(light yellow)	Not evaluated against the test limit
(lavender)	If Insertion Loss < 3 dB, not evaluated against the test limit
(blue)	If Insertion Loss < 4 dB, not evaluated against the test limit
(green)	If FEXT is < 70 dB, not evaluated against the test limit
(orange)	If PS FEXT is < 67 dB, not evaluated against the test limit

JIS X5150:2016 Channel Class Ea

Wire Map	Resistance	Resistance Unbalance In a Pair	Resistance Unbalance Pair to Pair	Length	Prop. Delay	Delay Skew
	Ω	Ω or %	Ω or %	Max.	nS	nS
1,2 - 1,2	25			100	555	50
3,6 - 3,6						
4,5 - 4,5						
7,8 - 7,8						

Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1	4.0	65.0	19.0	61.0	63.3	62.0	58.0	60.3				
4	4.2	63.0	19.0	58.9	51.2	60.5	56.4	48.2				
8	5.8	58.2	19.0	52.4	45.2	55.6	49.8	42.2				
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				
25	10.2	50.0	17.0	39.8	35.3	47.3	37.1	32.3				
31.25	11.5	48.4	16.5	36.9	33.4	45.7	34.2	30.4				
62.5	16.4	43.4	14.0	27.0	27.3	40.6	24.2	24.3				
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	30.6	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				

(light yellow)	Not evaluated against the test limit
(lavender)	If Insertion Loss < 3 dB, not evaluated against the test limit
(blue)	If Insertion Loss < 4 dB, not evaluated against the test limit
(green)	If FEXT is < 70 dB, not evaluated against the test limit
(orange)	If PS FEXT is < 67 dB, not evaluated against the test limit
(dark navy)	If Insertion Loss @ 450 MHz is < 12 dB, then:

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	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		Delay	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	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
							20	9.2	51.6	17.5	42.5	37.2	49.0	39.8	34.2	33.5	4.0	i	i
							25	10.2	50.0	17.0	39.8	35.3	47.3	37.1	32.3	32.0	2.0	i	i
							31.25	11.5	48.4	16.5	36.9	33.4	45.7	34.2	30.4	30.4	i	i	i
							62.5	16.4	43.4	14.0	27.0	27.3	40.6	24.2	24.3	24.4	i	i	i
							100	20.9	39.9	12.0	19.0	23.3	37.1	16.2	20.3	20.3	i	i	i
							200	30.1	34.8	9.0	4.7	17.2	31.9	1.8	14.2	14.3	i	i	i
							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

- i — Informational measurement only, no limit available
- (light yellow) Not evaluated against the test limit
- (light purple) If Insertion Loss < 3 dB, not evaluated against the test limit
- (blue) If Insertion Loss < 4 dB, not evaluated against the test limit
- (green) If FEXT is < 70 dB, not evaluated against the test limit
- (orange) If PS FEXT is < 67 dB, not evaluated against the test limit
- (dark blue) If Insertion Loss @ 450 MHz is < 12 dB, then:

Freq.	NEXT	PS NEXT
450	28.7	25.7
500	26.5	23.4

JIS X5150:2016 Channel Class E

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
		In a Pair	Pair to Pair		Delay	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	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				
							20	9.3	51.6	17.5	42.3	37.2	49.0	39.7	34.2				
							25	10.5	50.0	17.0	39.6	35.3	47.3	36.9	32.3				
							31.25	11.7	48.4	16.5	36.7	33.4	45.7	34.0	30.4				
							62.5	16.9	43.4	14.0	26.5	27.3	40.6	23.7	24.3				
							100	21.7	39.9	12.0	18.2	23.3	37.1	15.4	20.3				
							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				

- i — Informational measurement only, no limit available
- (light yellow) Not evaluated against the test limit
- (light purple) If Insertion Loss < 3 dB, not evaluated against the test limit
- (blue) If Insertion Loss < 4 dB, not evaluated against the test limit
- (green) If FEXT is < 70 dB, not evaluated against the test limit
- (orange) If PS FEXT is < 67 dB, not evaluated against the test limit

JIS X5150:2016 Channel Class E (+All)

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
		In a Pair	Pair to Pair		Delay	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	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
							20	9.3	51.6	17.5	42.3	37.2	49.0	39.7	34.2	33.5	4.0	i	i
							25	10.5	50.0	17.0	39.6	35.3	47.3	36.9	32.3	32.0	2.0	i	i
							31.25	11.7	48.4	16.5	36.7	33.4	45.7	34.0	30.4	30.4	i	i	i
							62.5	16.9	43.4	14.0	26.5	27.3	40.6	23.7	24.3	24.4	i	i	i
							100	21.7	39.9	12.0	18.2	23.3	37.1	15.4	20.3	20.3	i	i	i
							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

- i — Informational measurement only, no limit available
- (light yellow) Not evaluated against the test limit
- (light purple) If Insertion Loss < 3 dB, not evaluated against the test limit
- (blue) If Insertion Loss < 4 dB, not evaluated against the test limit
- (green) If FEXT is < 70 dB, not evaluated against the test limit
- (orange) If PS FEXT is < 67 dB, not evaluated against the test limit

FLUKE networks.

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				
							20	10.2	42.0	17.0	31.8	31.4	39.0	28.8	28.4				
							25	11.5	40.3	16.0	28.9	29.4	37.3	25.9	26.4				
							31.25	12.9	38.7	15.1	25.8	27.5	35.7	22.8	24.5				
							62.5	18.6	33.6	12.0	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				

- i — Informational measurement only, no limit available
- (light yellow) Not evaluated against the test limit
- (light purple) If Insertion Loss < 3 dB, not evaluated against the test limit
- (blue) If Insertion Loss < 4 dB, not evaluated against the test limit
- (green) If FEXT is < 70 dB, not evaluated against the test limit
- (orange) If PS FEXT is < 67 dB, not evaluated against the test limit

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
							20	10.2	42.0	17.0	31.8	31.4	39.0	28.8	28.4	33.5	4.0	i	i
							25	11.5	40.3	16.0	28.9	29.4	37.3	25.9	26.4	32.0	2.0	i	i
							31.25	12.9	38.7	15.1	25.8	27.5	35.7	22.8	24.5	30.4	i	i	i
							62.5	18.6	33.6	12.0	15.0	21.5	30.6	12.0	18.5	24.4	i	i	i
							100	24.0	30.1	10.0	6.1	17.4	27.1	3.1	14.4	20.3	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

- i — Informational measurement only, no limit available
- (light yellow) Not evaluated against the test limit
- (light purple) If Insertion Loss < 3 dB, not evaluated against the test limit
- (blue) If Insertion Loss < 4 dB, not evaluated against the test limit
- (green) If FEXT is < 70 dB, not evaluated against the test limit
- (orange) If PS FEXT is < 67 dB, not evaluated against the test limit

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								
							20	i	i	i	i								
							25	i	i	i	i								
							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								

- i — Informational measurement only, no limit available
- (light yellow) Not evaluated against the test limit
- (light purple) If Insertion Loss < 3 dB, not evaluated against the test limit
- (blue) If Insertion Loss < 4 dB, not evaluated against the test limit

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				
							20	9.0	51.6	17.5	42.6	37.2	49.0	39.9	34.2				
							25	10.1	50.0	17.0	39.9	35.3	47.3	37.2	32.3				
							31.25	11.4	48.4	16.5	37.0	33.4	45.7	34.3	30.4				
							62.5	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				

- i — Informational measurement only, no limit available
- 10% length rule - will fail when length > 105.6 m
- Not evaluated against the test limit
- If Insertion Loss < 3 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

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				
							20	10.2	42.0	17.0		31.4	39.0		28.4				
							25	11.4	40.3	16.0		29.4	37.3		26.4				
							31.25	12.9	38.7	15.1		27.5	35.7		24.5				
							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	i	i	i		i	i		i				
							250	i	i	i		i	i		i				
							350	i	i	i		i	i		i				

- i — Informational measurement only, no limit available
- 10% length rule - will fail when length > 105.6 m
- Not evaluated against the test limit
- If Insertion Loss < 3 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

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										
							20	i	i										
							25	i	i										
							31.25	i	i										
							62.5	i	i										
							100	i	i										
							200	i	i										
							250	i	i										
							350	i	i										

- i — Informational measurement only, no limit available
- 10% length rule - will fail when length > 105.6 m
- Not evaluated against the test limit

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										
							20	i	i										
							25	i	i										
							31.25	i	i										
							62.5	i	i										
							100	i	i										
							200	i	i										
							250	i	i										
							350	i	i										

i	Informational measurement only, no limit available
(yellow)	Not evaluated against the test limit

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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
		In a Pair	Pair to Pair		Delay	Skew
	Ω	Ω or %	Ω or %	Max.	nS	nS
1,2 - 1,2	25			100	555	50
3,6 - 3,6						
4,5 - 4,5						
7,8 - 7,8						

Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1	3.0	60.0	17.0	57.0	57.4	57.0	54.0	54.4				
4	4.5	53.5	17.0	49.1	45.4	50.5	46.1	42.4				
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				
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				
25	11.4	40.3	16.0	28.9	29.4	37.3	25.9	26.4				
31.25	12.9	38.7	15.1	25.9	27.5	35.7	22.9	24.5				
62.5	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				

i	Informational measurement only, no limit available
(light cyan)	10% length rule - will fail when length > 110 m
(light yellow)	Not evaluated against the test limit
(light purple)	If Insertion Loss < 3 dB, not evaluated against the test limit
(dark green)	If FEXT is < 70 dB, not evaluated against the test limit

EL-3600-9 Cat 6A Perm. Link

Wire Map	Resistance	Resistance Unbalance In a Pair	Resistance Unbalance Pair to Pair	Length	Prop. Delay	Delay Skew
	Ω	Ω or %	Ω or %	Max.	nS	nS
1,2 - 1,2	None	None	None	90	498	44
3,6 - 3,6						
4,5 - 4,5						
7,8 - 7,8						

i	Informational measurement only, no limit available
	10% length rule - will fail when length > 99 m
	Not evaluated against the test limit
	If Insertion Loss < 3 dB, not evaluated against the test limit
	If FEXT is < 67 dB, not evaluated against the test limit

Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1	3.0	65.0	19.1	62.0	64.2	62.0	59.0	61.2				
4	3.5	64.1	21.0	60.5	52.1	61.8	58.3	49.1				
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	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	45.2	38.2	50.7	42.8	35.2				
25	8.8	51.5	19.0	42.8	36.2	49.1	40.4	33.2				
31.25	9.8	50.0	18.5	40.2	34.3	47.5	37.7	31.3				
62.5	14.0	45.1	16.0	31.1	28.3	42.7	28.6	25.3				
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 In a Pair	Resistance Unbalance Pair to Pair	Length	Prop. Delay	Delay Skew
	Ω	Ω or %	Ω or %	Max.	nS	nS
1,2 - 1,2	25			90	498	44
3,6 - 3,6						
4,5 - 4,5						
7,8 - 7,8						

i	Informational measurement only, no limit available
	10% length rule - will fail when length > 99 m
	Not evaluated against the test limit
	If Insertion Loss < 3 dB, not evaluated against the test limit
	If FEXT is < 67 dB, not evaluated against the test limit

Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1	3.0	65.0	19.1	62.0	64.2	62.0	59.0	61.2				
4	3.5	64.1	21.0	60.6	52.1	61.8	58.3	49.1				
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				
16	7.0	54.6	20.0	47.6	40.1	52.2	45.2	37.1				
20	7.9	53.1	19.5	45.2	38.2	50.7	42.8	35.2				
25	8.9	51.5	19.0	42.7	36.2	49.1	40.2	33.2				
31.25	10.0	50.0	18.5	40.0	34.3	47.5	37.6	31.3				
62.5	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				

EL-3600-9 Cat 5e Perm. Link

Wire Map	Resistance	Resistance Unbalance In a Pair	Resistance Unbalance Pair to Pair	Length	Prop. Delay	Delay Skew
	Ω	Ω or %	Ω or %	Max.	nS	nS
1,2 - 1,2	25			90	498	44
3,6 - 3,6						
4,5 - 4,5						
7,8 - 7,8						

i	Informational measurement only, no limit available
	10% length rule - will fail when length > 99 m
	Not evaluated against the test limit
	If Insertion Loss < 3 dB, not evaluated against the test limit
	If FEXT is < 67 dB, not evaluated against the test limit

Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1	3.0	60.0	19.0	57.0	58.6	57.0	54.0	55.6				
4	3.9	54.8	19.0	50.9	46.6	51.8	47.9	43.6				
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				
16	7.9	45.2	19.0	37.3	34.5	42.2	34.3	31.5				
20	8.9	43.7	19.0	34.8	32.6	40.7	31.8	29.6				
25	10.0	42.1	18.0	32.1	30.7	39.1	29.1	27.7				
31.25	11.2	40.5	17.1	29.3	28.7	37.5	26.3	25.7				
62.5	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				

EL-3600-9 Cat 6A Channel

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
		In a Pair	Pair to Pair		Delay	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	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				
							20	9.2	51.6	17.5	42.5	37.2	49.0	39.8	34.2				
							25	10.2	50.0	17.0	39.8	35.3	47.3	37.1	32.3				
							31.25	11.5	48.4	16.5	36.9	33.4	45.7	34.2	30.4				
							62.5	16.4	43.4	14.0	27.0	27.3	40.6	24.2	24.3				
							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				

i	Informational measurement only, no limit available
(light blue)	10% length rule - will fail when length > 99 m
(light yellow)	Not evaluated against the test limit
(lavender)	If Insertion Loss < 3 dB, not evaluated against the test limit
(light green)	If FEXT is < 67 dB, not evaluated against the test limit

EL-3600-9 Cat 6 Channel

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
		In a Pair	Pair to Pair		Delay	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	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				
							20	9.0	51.6	17.5	42.6	37.2	49.0	39.9	34.2				
							25	10.1	50.0	17.0	39.9	35.3	47.3	37.2	32.3				
							31.25	11.4	48.4	16.5	37.0	33.4	45.7	34.3	30.4				
							62.5	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				

i	Informational measurement only, no limit available
(light blue)	10% length rule - will fail when length > 110 m
(light yellow)	Not evaluated against the test limit
(lavender)	If Insertion Loss < 3 dB, not evaluated against the test limit
(dark green)	If FEXT is < 70 dB, not evaluated against the test limit

EL-3600-9 Cat 5e Channel

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
		In a Pair	Pair to Pair		Delay	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	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				
							20	10.2	42.0	17.0	31.8	31.4	39.0	28.8	28.4				
							25	11.4	40.3	16.0	28.9	29.4	37.3	25.9	26.4				
							31.25	12.9	38.7	15.1	25.9	27.5	35.7	22.9	24.5				
							62.5	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				

i	Informational measurement only, no limit available
(light blue)	10% length rule - will fail when length > 110 m
(light yellow)	Not evaluated against the test limit
(lavender)	If Insertion Loss < 3 dB, not evaluated against the test limit
(dark green)	If FEXT is < 70 dB, not evaluated against the test limit

ISO Patch Cord Cat6A 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	23.0									
							62.5		51.2	20.0									
							100		47.2	18.0									
							200		41.3	15.0									
							250		39.5	14.0									
							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 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		62.5	23.4									
i	Informational measurement only, no limit available						20		60.5	23.7									
							25		58.6	24.0									
							31.25		56.7	23.0									
							62.5		50.8	20.0									
							100		46.8	18.0									
							200		41.0	15.0									
							250		39.2	14.0									
							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 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		62.0	23.4									
i	Informational measurement only, no limit available						20		60.1	23.7									
							25		58.2	24.0									
							31.25		56.3	23.0									
							62.5		50.5	20.0									
							100		46.5	18.0									
							200		40.7	15.0									
							250		38.9	14.0									
							350		35.1	11.8									
							450		32.2	10.2									
							500		31.0	9.5									

FLUKE networks

ISO Patch Cord Cat6A 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		61.7	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		38.7	14.0									
							350		35.0	11.8									
							450		32.2	10.2									
							500		31.0	9.5									

ISO Patch Cord Cat6A 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		57.6	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		34.9	11.8									
							450		32.2	10.2									
							500		31.1	9.5									

ISO Patch Cord Cat6A 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		59.2	23.7									
							25		57.3	24.0									
							31.25		55.4	23.0									
							62.5		49.6	20.0									
							100		45.7	18.0									
							200		40.1	15.0									
							250		38.4	14.0									
							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 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		60.8	23.4									
i	Informational measurement only, no limit available						20		58.9	23.7									
							25		57.0	24.0									
							31.25		55.1	23.0									
							62.5		49.4	20.0									
							100		45.5	18.0									
							200		40.0	15.0									
							250		38.2	14.0									
							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 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		56.8	24.0									
							31.25		54.9	23.0									
							62.5		49.2	20.0									
							100		45.4	18.0									
							200		39.9	15.0									
							250		38.1	14.0									
							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 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		64.0	22.8									
							16		60.1	23.4									
i	Informational measurement only, no limit available						20		58.2	23.7									
							25		56.4	24.0									
							31.25		54.5	23.0									
							62.5		48.8	20.0									
							100		45.1	18.0									
							200		39.7	15.0									
							250		38.0	14.0									
							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 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		64.9	22.5									
7,8 - 7,8							10		63.0	22.8									
							16		59.2	23.4									
i	Informational measurement only, no limit available						20		57.4	23.7									
							25		55.5	24.0									
							31.25		53.7	23.0									
							62.5		48.2	20.0									
							100		44.5	18.0									
							200		39.3	15.0									
							250		37.7	14.0									
							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 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		64.2	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		55.0	24.0									
							31.25		53.2	23.0									
							62.5		47.8	20.0									
							100		44.2	18.0									
							200		39.2	15.0									
							250		37.6	14.0									
							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 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		61.4	22.8									
							16		57.7	23.4									
i	Informational measurement only, no limit available						20		55.9	23.7									
							25		54.2	24.0									
							31.25		52.5	23.0									
							62.5		47.3	20.0									
							100		43.9	18.0									
							200		39.1	15.0									
							250		37.5	14.0									
							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 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		62.5	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	24.0									
							31.25		52.0	23.0									
							62.5		47.0	20.0									
							100		43.7	18.0									
							200		39.1	15.0									
							250		37.6	14.0									
							350		35.0	11.8									
							450		33.0	10.2									
							500		32.1	9.5									

ISO Patch Cord Cat6A >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							1		65.0										
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									
							20		55.4	23.7									
							25		53.7	24.0									
							31.25		52.0	23.0									
							62.5		47.0	20.0									
							100		43.7	18.0									
							200		39.1	15.0									
							250		37.6	14.0									
							350		35.0	11.8									
							450		33.0	10.2									
							500		32.1	9.5									

TIA Patch Cord Cat6A 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		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		35.4	11.8									
							450		32.2	10.2									
							500		30.9	9.5									

TIA Patch Cord Cat6A 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		39.3	14.0									
							350		35.2	11.8									
							450		32.2	10.2									
							500		30.9	9.5									

TIA Patch Cord Cat6A 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		56.6	23.0									
							62.5		50.7	20.0									
							100		46.7	18.0									
							200		40.9	15.0									
							250		39.0	14.0									
							350		35.1	11.8									
							450		32.2	10.2									
							500		31.0	9.5									

TIA Patch Cord Cat6A 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		60.1	23.7									
							25		58.2	24.0									
							31.25		56.3	23.0									
							62.5		50.4	20.0									
							100		46.4	18.0									
							200		40.7	15.0									
							250		38.9	14.0									
							350		35.1	11.8									
							450		32.2	10.2									
							500		31.0	9.5									

TIA Patch Cord Cat6A 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		38.7	14.0									
							350		35.0	11.8									
							450		32.2	10.2									
							500		31.0	9.5									

TIA Patch Cord Cat6A 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		34.9	11.8									
							450		32.2	10.2									
							500		31.0	9.5									

TIA Patch Cord Cat6A 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		61.2	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		34.9	11.8									
							450		32.2	10.2									
							500		31.1	9.5									

TIA Patch Cord Cat6A 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		57.2	24.0									
							31.25		55.3	23.0									
							62.5		49.5	20.0									
							100		45.7	18.0									
							200		40.1	15.0									
							250		38.3	14.0									
							350		34.9	11.8									
							450		32.2	10.2									
							500		31.1	9.5									

TIA Patch Cord Cat6A 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		45.4	18.0									
							200		39.9	15.0									
							250		38.1	14.0									
							350		34.8	11.8									
							450		32.3	10.2									
							500		31.2	9.5									

TIA Patch Cord Cat6A 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		54.2	23.0									
							62.5		48.6	20.0									
							100		44.8	18.0									
							200		39.5	15.0									
							250		37.8	14.0									
							350		34.7	11.8									
							450		32.4	10.2									
							500		31.4	9.5									

TIA Patch Cord Cat6A 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		59.1	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		44.5	18.0									
							200		39.3	15.0									
							250		37.7	14.0									
							350		34.7	11.8									
							450		32.5	10.2									
							500		31.5	9.5									

TIA Patch Cord Cat6A 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		62.0	22.8									
							16		58.2	23.4									
i	Informational measurement only, no limit available						20		56.4	23.7									
							25		54.6	24.0									
							31.25		52.9	23.0									
							62.5		47.5	20.0									
							100		44.0	18.0									
							200		39.1	15.0									
							250		37.6	14.0									
							350		34.8	11.8									
							450		32.7	10.2									
							500		31.8	9.5									

TIA Patch Cord Cat6A 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		52.4	23.0									
							62.5		47.2	20.0									
							100		43.8	18.0									
							200		39.0	15.0									
							250		37.5	14.0									
							350		34.9	11.8									
							450		32.9	10.2									
							500		32.0	9.5									

TIA Patch Cord Cat6A >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							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		57.6	23.4									
							20		55.8	23.7									
							25		54.1	24.0									
							31.25		52.4	23.0									
							62.5		47.2	20.0									
							100		43.8	18.0									
							200		39.0	15.0									
							250		37.5	14.0									
							350		34.4	11.8									
							450		31.7	10.2									
							500		30.5	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	Resistance	Length	Prop.	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		Delay	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		65.0	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	Resistance	Length	Prop.	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		Delay	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		65.0	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	Resistance	Length	Prop.	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		Delay	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		65.0	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									

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									

FLUKE networks.

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									

FLUKE networks.

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									

FLUKE networks

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									

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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									

FLUKE networks.

10GBASE-T

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew
	Ω	Ω or %	Ω or %	Max.	nS	nS
1,2 - 1,2	25			100	555	50
3,6 - 3,6						
4,5 - 4,5						
7,8 - 7,8						

- (light yellow) Not evaluated against the test limit
- (lavender) If Insertion Loss < 3 dB, not evaluated against the test limit
- (blue) If Insertion Loss < 4 dB, not evaluated against the test limit
- (green) If FEXT is < 70 dB, not evaluated against the test limit
- (orange) If PS FEXT is < 67 dB, not evaluated against the test limit

Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1	4.0	65.0	19.0		63.3	62.0		60.3				
4	4.2	63.0	19.0		51.2	60.5		48.2				
8	5.9	58.2	19.0		45.2	55.6		42.2				
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				
25	10.5	50.0	17.0		35.3	47.3		32.3				
31.25	11.7	48.4	16.5		33.4	45.7		30.4				
62.5	16.9	43.4	14.0		27.3	40.6		24.3				
100	21.7	39.9	12.0		23.3	37.1		20.3				
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 1.2

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew
	Ω	Ω or %	Ω or %	Max.	nS	nS
1,2 - 1,2	i			100	570	50
3,6 - 3,6						
4,5 - 4,5						
7,8 - 7,8						

- i — Informational measurement only, no limit available
- (light cyan) 10% length rule - will fail when length > 110 m
- (lavender) If Insertion Loss < 3 dB, not evaluated against the test limit
- (green) If FEXT is < 70 dB, not evaluated against the test limit

Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1	3.0	60.0	17.0	i	57.4	57.0	i	54.4	i	i	i	i
4	4.5	53.5	17.0	i	45.4	50.5	i	42.4	i	i	i	i
8	6.3	48.6	17.0	i	39.3	45.6	i	36.3	i	i	i	i
10	7.1	47.0	17.0	i	37.4	44.0	i	34.4	i	i	i	i
16	9.1	43.6	17.0	i	33.3	40.6	i	30.3	i	i	i	i
20	10.2	42.0	17.0	i	31.4	39.0	i	28.4	i	i	i	i
25	11.4	40.3	16.0	i	29.4	37.3	i	26.4	i	i	i	i
31.25	12.9	38.7	15.1	i	27.5	35.7	i	24.5	i	i	i	i
62.5	18.6	33.6	12.1	i	21.5	30.6	i	18.5	i	i	i	i
100	24.0	30.1	10.0	i	17.4	27.1	i	14.4	i	i	i	i
200	35.3	21.4	7.0	i	11.4	18.4	i	8.4	i	i	i	i
250	40.1	18.2	6.0	i	9.4	15.2	i	6.4	i	i	i	i
350	i	i	i	i	i		i	i	i	i	i	i

2.5GBASE-T 1.2

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew
	Ω	Ω or %	Ω or %	Max.	nS	nS
1,2 - 1,2	i			100	570	50
3,6 - 3,6						
4,5 - 4,5						
7,8 - 7,8						

- i — Informational measurement only, no limit available
- (light cyan) 10% length rule - will fail when length > 110 m
- (lavender) If Insertion Loss < 3 dB, not evaluated against the test limit
- (green) If FEXT is < 70 dB, not evaluated against the test limit

Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1	3.0	60.0	17.0	i	57.4	57.0	i	54.4	i	i	i	i
4	4.5	53.5	17.0	i	45.4	50.5	i	42.4	i	i	i	i
8	6.3	48.6	17.0	i	39.3	45.6	i	36.3	i	i	i	i
10	7.1	47.0	17.0	i	37.4	44.0	i	34.4	i	i	i	i
16	9.1	43.6	17.0	i	33.3	40.6	i	30.3	i	i	i	i
20	10.2	42.0	17.0	i	31.4	39.0	i	28.4	i	i	i	i
25	11.4	40.3	16.0	i	29.4	37.3	i	26.4	i	i	i	i
31.25	12.9	38.7	15.1	i	27.5	35.7	i	24.5	i	i	i	i
62.5	18.6	33.6	12.1	i	21.5	30.6	i	18.5	i	i	i	i
100	24.0	30.1	10.0	i	17.4	27.1	i	14.4	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
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	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	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				
							20	10.3	38.8	15.0		31.0			28.4				
							25	11.5	37.2	14.0		29.0			26.4				
							31.25	13.0	35.6	13.1		27.1			24.5				
							62.5	18.7	30.5	10.1		21.1			18.5				
							100	24.0	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				

- i — Informational measurement only, no limit available
- 10% length rule - will fail when length > 110 m
- Not evaluated against the test limit
- If Insertion Loss < 3 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

100BASE-TX

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	i	i	1	2.5	60.7	15.0									
3,6 - 3,6							4	4.5	50.6	15.0									
							8	6.4	45.5	15.0									
							10	7.1	43.9	15.0									
							16	9.1	40.5	15.0									
							20	10.3	38.8	15.0									
							25	11.5	37.2	14.0									
							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									

- i — Informational measurement only, no limit available
- 10% length rule - will fail when length > 110 m
- Not evaluated against the test limit
- If Insertion Loss < 3 dB, not evaluated against the test limit

10BASE-T

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	i	i	1	i	i										
3,6 - 3,6							4	i	i										
							8	11.5	27.5										
							10	11.5	26.0										
							16	i	i										
							20	i	i										
							25	i	i										
							31.25	i	i										
							62.5	i	i										
							100	i	i										
							200	i	i										
							250	i	i										
							350	i	i										

- i — Informational measurement only, no limit available
- 10% length rule - will fail when length > 110 m
- Not evaluated against the test limit

FLUKE networks.

10GBASE-T + 802.3bt Draft 1.1

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	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				
							20	9.3	51.6	17.5		37.2	49.0		34.2				
							25	10.5	50.0	17.0		35.3	47.3		32.3				
							31.25	11.7	48.4	16.5		33.4	45.7		30.4				
							62.5	16.9	43.4	14.0		27.3	40.6		24.3				
							100	21.7	39.9	12.0		23.3	37.1		20.3				
							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				

Key	Description
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

1000BASE-T + 802.3bt Draft 1.1

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	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				
							20	10.3	38.8	15.0		31.0			28.4				
							25	11.5	37.2	14.0		29.0			26.4				
							31.25	13.0	35.6	13.1		27.1			24.5				
							62.5	18.7	30.5	10.1		21.1			18.5				
							100	24.0	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				

Key	Description
i	Informational measurement only, no limit available
	10% length rule - will fail when length > 110 m
	If Insertion Loss < 3 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

100BASE-TX + 802.3bt Draft 1.1

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	0.2 or 3.0	0.2 or 7.5	100			1	2.5	60.7	15.0									
3,6 - 3,6							4	4.5	50.6	15.0									
							8	6.4	45.5	15.0									
							10	7.1	43.9	15.0									
							16	9.1	40.5	15.0									
							20	10.3	38.8	15.0									
							25	11.5	37.2	14.0									
							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									

Key	Description
i	Informational measurement only, no limit available
	10% length rule - will fail when length > 110 m
	If Insertion Loss < 3 dB, not evaluated against the test limit

10BASE-T + 802.3bt Draft 1.1

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	0.2 or 3.0	0.2 or 7.5	100	i	i	1	i	i										
3,6 - 3,6							4	i	i										
							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 D2.2

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	TCTL	CMRL
	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	0.7		19.0						i	i	i	i
							4	1.2		19.0						i	i	i	i
4,5 - 4,5							8	1.7		19.0						i	i	i	i
							10	1.9		19.0						50.0	i	50.0	i
							16	2.4		18.0						50.0	i	50.0	i
i	Informational measurement only, no limit available						20	2.7		17.5						50.0	i	50.0	i
	If Insertion Loss < 3 dB, not evaluated against the test limit						25	3.0		17.0						50.0	i	50.0	i
							31.25	3.4		16.5						50.0	i	50.0	i
							62.5	4.8		16.0						50.0	i	50.0	i
							100	6.1		16.0						49.0	i	49.0	i
							200	8.8		14.0						45.5	i	45.5	i
							250	9.9		13.0						44.4	i	44.4	i
							350	11.9		11.6						42.7	i	42.7	i
							450	13.6		11.0						41.5	i	41.5	i
							500	14.4		11.0						40.9	i	40.9	i
							600	15.9		11.0						40.0	i	40.0	i
							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

1000BASE-T1 Type A multi-pair D2.2

Wire Map	Resistance	Resistance		Length	Prop.	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	TCTL	CMRL/
		Unbalance	Pair to Pair		Delay	Skew		Loss											CDNEXT
	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	0.7	i	19.0		i	74.0		83.7	i	i	i	i
3,6 - 3,6							4	1.2	i	19.0		i	68.0		71.6	i	i	i	i
4,5 - 4,5							8	1.7	i	19.0		i	65.0		65.6	i	i	i	i
							10	1.9	i	19.0		i	64.0		63.7	50.0	i	50.0	i
							16	2.4	i	18.0		i	62.0		59.6	50.0	i	50.0	i
							20	2.7	i	17.5		i	61.0		57.7	50.0	i	50.0	i
							25	3.0	i	17.0		i	60.0		55.7	50.0	i	50.0	i
							31.25	3.4	i	16.5		i	59.1		53.8	50.0	i	50.0	i
							62.5	4.8	i	16.0		i	56.0		47.8	50.0	i	50.0	i
							100	6.1	i	16.0		i	54.0		43.7	49.0	i	49.0	i
							200	8.8	i	14.0		i	48.0		37.7	45.5	i	45.5	i
							250	9.9	i	13.0		i	45.8		35.7	44.4	i	44.4	i
							350	11.9	i	11.6		i	42.1		32.8	42.7	i	42.7	i
							450	13.6	i	11.0		i	39.0		30.6	41.5	i	41.5	i
							500	14.4	i	11.0		i	37.5		29.7	40.9	i	40.9	i
							600	15.9	i	11.0		i	34.8		28.1	40.0	i	40.0	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

i	Informational measurement only, no limit available
🟪	If Insertion Loss < 3 dB, not evaluated against the test limit
🟦	If Insertion Loss < 4 dB, not evaluated against the test limit
🟧	If PS FEXT is < 67 dB, not evaluated against the test limit

1000BASE-T1 Type B 1-pair D2.2

Wire Map	Resistance	Resistance		Length	Prop.	Delay	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F		PS ACR-N	PS ACR-F	TCL	ELTCTL	TCTL	CMRL
		Unbalance	Pair to Pair		Delay	Skew		Loss											
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB		dB	dB	dB	dB	dB	dB
	i			i	i	i	1	0.9		19.0						i	i	i	i
							4	1.7		19.0						i	i	i	i
4,5 - 4,5							8	2.4		19.0						i	i	i	i
							10	2.6		19.0						i	i	i	i
							16	3.3		18.0						i	i	i	i
							20	3.7		17.5						i	i	i	i
							25	4.2		17.0						i	i	i	i
							31.25	4.7		16.5						i	i	i	i
							62.5	6.7		16.0						i	i	i	i
							100	8.5		16.0						i	i	i	i
							200	12.3		14.0						i	i	i	i
							250	13.8		13.0						i	i	i	i
							350	16.6		11.6						i	i	i	i
							450	19.0		11.0						i	i	i	i
							500	20.1		11.0						i	i	i	i
							600	22.3		11.0						i	i	i	i
							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

i	Informational measurement only, no limit available
🟪	If Insertion Loss < 3 dB, not evaluated against the test limit

1000BASE-T1 Type B multi-pair D2.2

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	TCTL	CMRL/ CDNEXT
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
3,6 - 3,6 4,5 - 4,5	i			i	i	i	1	0.9	i	19.0		i	65.0		70.0	i	i	i	i
							4	1.7	i	19.0		i	65.0		70.0	i	i	i	i
							8	2.4	i	19.0		i	65.0		70.0	i	i	i	i
							10	2.6	i	19.0		i	65.0		70.0	i	i	i	i
							16	3.3	i	18.0		i	65.0		70.0	i	i	i	i
							20	3.7	i	17.5		i	65.0		70.0	i	i	i	i
							25	4.2	i	17.0		i	65.0		70.0	i	i	i	i
							31.25	4.7	i	16.5		i	65.0		70.0	i	i	i	i
							62.5	6.7	i	16.0		i	65.0		65.1	i	i	i	i
							100	8.5	i	16.0		i	65.0		61.0	i	i	i	i
							200	12.3	i	14.0		i	65.0		55.0	i	i	i	i
							250	13.8	i	13.0		i	65.0		53.0	i	i	i	i
							350	16.6	i	11.6		i	65.0		50.1	i	i	i	i
							450	19.0	i	11.0		i	65.0		47.9	i	i	i	i
							500	20.1	i	11.0		i	65.0		47.0	i	i	i	i
							600	22.3	i	11.0		i	65.0		45.4	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

i	Informational measurement only, no limit available
(light purple)	If Insertion Loss < 3 dB, not evaluated against the test limit
(blue)	If Insertion Loss < 4 dB, not evaluated against the test limit
(orange)	If PS FEXT is < 67 dB, not evaluated against the test limit

100BASE-T1 1-pair Draft 3.3

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	TCTL	CMRL
	Ω	Ω or %	Ω or %	Max.	nS	nS	MHz	dB	dB	dB	dB	dB		dB	dB	dB	dB	dB	dB
4,5 - 4,5	i			i	i	i	1	1.0		18.0						43.0	i	43.0	i
							4	1.5		18.0						43.0	i	43.0	i
							8	2.2		18.0						43.0	i	43.0	i
							10	2.6		18.0						43.0	i	43.0	i
							16	3.2		18.0						43.0	i	43.0	i
							20	3.6		18.0						43.0	i	43.0	i
							25	4.1		17.0						43.0	i	43.0	i
							31.25	4.7		16.1						43.0	i	43.0	i
							62.5	7.0		13.1						37.5	i	37.5	i
							100	i		i						33.4	i	33.4	i
							200	i		i						27.3	i	27.3	i
							250	i		i						i	i	i	i
							350	i		i						i	i	i	i

i	Informational measurement only, no limit available
(light purple)	If Insertion Loss < 3 dB, not evaluated against the test limit

100BASE-T1 multi-pair Draft 3.3

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	TCTL	CMRL/ CDNEXT
	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	i	18.0		i	51.5		56.5	43.0	i	43.0	i
3,6 - 3,6							4	1.5	i	18.0		i	45.5		44.5	43.0	i	43.0	i
4,5 - 4,5							8	2.2	i	18.0		i	42.5		38.4	43.0	i	43.0	i
							10	2.6	i	18.0		i	41.5		36.5	43.0	i	43.0	i
							16	3.2	i	18.0		i	39.5		32.4	43.0	i	43.0	i
							20	3.6	i	18.0		i	38.5		30.5	43.0	i	43.0	i
							25	4.1	i	17.0		i	37.5		28.5	43.0	i	43.0	i
							31.25	4.7	i	16.1		i	36.6		26.6	43.0	i	43.0	i
							62.5	7.0	i	13.1		i	33.5		20.6	37.5	i	37.5	i
							100	i	i	i		i	31.5		16.5	33.4	i	33.4	i
							200	i	i	i		i	i		i	27.3	i	27.3	i
							350	i	i	i	i	i	i	i	i	i	i	i	i

- i — Informational measurement only, no limit available
- [light purple] If Insertion Loss < 3 dB, not evaluated against the test limit
- [blue] If Insertion Loss < 4 dB, not evaluated against the test limit
- [orange] If PS FEXT is < 67 dB, not evaluated against the test limit

Cat 5e Mod 1-Conn Perm. Link

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			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				
							20	8.9	43.7	19.0	34.8	32.6	40.7	31.8	29.6				
							25	10.0	42.1	18.0	32.1	30.7	39.1	29.1	27.7				
							31.25	11.2	40.5	17.1	29.3	28.7	37.5	26.3	25.7				
							62.5	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				

- i — Informational measurement only, no limit available
- [light cyan] 10% length rule - will fail when length > 99 m
- [light yellow] Not evaluated against the test limit
- [light purple] If Insertion Loss < 3 dB, not evaluated against the test limit
- [green] If FEXT is < 67 dB, not evaluated against the test limit

Cat 6 Mod 1-Conn Perm. Link

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			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				
							20	7.9	53.1	19.5	45.2	38.2	50.7	42.8	35.2				
							25	8.9	51.5	19.0	42.7	36.2	49.1	40.2	33.2				
							31.25	10.0	50.0	18.5	40.0	34.3	47.5	37.6	31.3				
							62.5	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				

- i — Informational measurement only, no limit available
- [light cyan] 10% length rule - will fail when length > 99 m
- [light yellow] Not evaluated against the test limit
- [light purple] If Insertion Loss < 3 dB, not evaluated against the test limit
- [green] If FEXT is < 67 dB, not evaluated against the test limit

Cat 6A Mod 1-Conn Perm. Link

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			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				
							20	7.8	53.1	19.5	45.2	38.2	50.7	42.8	35.2				
							25	8.8	51.5	19.0	42.8	36.2	49.1	40.4	33.2				
							31.25	9.8	50.0	18.5	40.2	34.3	47.5	37.7	31.3				
							62.5	14.0	45.1	16.0	31.1	28.3	42.7	28.6	25.3				
							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				

- i — Informational measurement only, no limit available
- (cyan) 10% length rule - will fail when length > 99 m
- (yellow) Not evaluated against the test limit
- (violet) If Insertion Loss < 3 dB, not evaluated against the test limit
- (green) If FEXT is < 67 dB, not evaluated against the test limit

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

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	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
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
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
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
							16	7.9	45.2	19.0	37.3	34.5	42.2	34.3	31.5	i	i	i	i
							20	8.9	43.7	19.0	34.8	32.6	40.7	31.8	29.6	i	i	i	i
							25	10.0	42.1	18.0	32.1	30.7	39.1	29.1	27.7	i	i	i	i
							31.25	11.2	40.5	17.1	29.3	28.7	37.5	26.3	25.7	i	i	i	i
							62.5	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

- i — Informational measurement only, no limit available
- (cyan) 10% length rule - will fail when length > 99 m
- (yellow) Not evaluated against the test limit
- (violet) If Insertion Loss < 3 dB, not evaluated against the test limit
- (green) If FEXT is < 67 dB, not evaluated against the test limit

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

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	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	50.0	30.0	i	i
3,6 - 3,6							4	3.5	64.1	21.0	60.6	52.1	61.8	58.3	49.1	41.0	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	49.9	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
							20	7.9	53.1	19.5	45.2	38.2	50.7	42.8	35.2	30.5	4.0	i	i
							25	8.9	51.5	19.0	42.7	36.2	49.1	40.2	33.2	29.0	2.0	i	i
							31.25	10.0	50.0	18.5	40.0	34.3	47.5	37.6	31.3	27.6	i	i	i
							62.5	14.4	45.1	16.0	30.8	28.3	42.7	28.3	25.3	23.1	i	i	i
							100	18.6	41.8	14.0	23.3	24.2	39.3	20.7	21.2	20.0	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
							250	31.1	35.3	10.0	4.2	16.2	32.7	1.6	13.2	14.0	i	i	i
							350	i	i	i	i	i	i	i	i	i	i	i	i

- i — Informational measurement only, no limit available
- (cyan) 10% length rule - will fail when length > 99 m
- (yellow) Not evaluated against the test limit
- (violet) If Insertion Loss < 3 dB, not evaluated against the test limit
- (green) If FEXT is < 67 dB, not evaluated against the test limit

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

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew
	Ω	Ω or %	Ω or %	Max.	nS	nS
1,2 - 1,2	21	0.1 or 3.0	0.2 or 7.0	90	498	44
3,6 - 3,6						
4,5 - 4,5						
7,8 - 7,8						

i	Informational measurement only, no limit available
(cyan)	10% length rule - will fail when length > 99 m
(yellow)	Not evaluated against the test limit
(blue)	If Insertion Loss < 3 dB, not evaluated against the test limit
(green)	If FEXT is < 67 dB, not evaluated against the test limit

Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1	3.0	65.0	19.1	62.0	64.2	62.0	59.0	61.2	50.0	30.0	i	i
4	3.5	64.1	21.0	60.5	52.1	61.8	58.3	49.1	41.0	18.0	i	i
8	5.0	59.4	21.0	54.4	46.1	57.0	52.1	43.1	36.5	11.9	i	i
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
20	7.8	53.1	19.5	45.2	38.2	50.7	42.8	35.2	30.5	4.0	i	i
25	8.8	51.5	19.0	42.8	36.2	49.1	40.4	33.2	29.0	2.0	i	i
31.25	9.8	50.0	18.5	40.2	34.3	47.5	37.7	31.3	27.6	i	i	i
62.5	14.0	45.1	16.0	31.1	28.3	42.7	28.6	25.3	23.1	i	i	i
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	23.1	i	i	i
450	41.1	28.2	8.0	-13.0	11.1	25.3	-15.8	8.1	20	i	i	i
500	43.8	26.7	8.0	-17.1	10.2	23.8	-20.0	7.2	15.5	i	i	i

Class F Selftest

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew
	Ω	Ω or %	Ω or %	Max.	nS	nS
1,2 - 1,2	2			2	10	3
3,6 - 3,6						
4,5 - 4,5						
7,8 - 7,8						

i	Informational measurement only, no limit available
(cyan)	10% length rule - will fail when length > 2.2 m

Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1	1.0	75.0	20.0		75.0							
4	1.0	75.0	20.0		75.0							
8	1.0	75.0	20.0		74.5							
10	1.0	75.0	20.0		73.0							
16	1.0	75.0	20.0		69.9							
20	1.0	75.0	20.0		68.5							
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	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	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	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
	25			100			1	i			32.1								
3,6 - 3,6							4	i			23.0								
4,5 - 4,5							8	i			18.5								
							10	i			17.1								
							16	16.0			14.0								
i	Informational measurement only, no limit available						20	i			12.5								
	10% length rule - will fail when length > 110 m						25	i			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	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
	25			100			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								
i	Informational measurement only, no limit available						20	i			14.0								
	10% length rule - will fail when length > 110 m						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	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
	25			100			1	i			26.5								
3,6 - 3,6							4	19.0			17.5								
4,5 - 4,5							8	i			13.0								
							10	i			11.5								
							16	i			i								
							20	i			i								
							25	i			i								
							31.25	i			i								
							62.5	i			i								
							100	i			i								
							200	i			i								
							250	i			i								
							350	i			i								

i	Informational measurement only, no limit available
(blue)	10% length rule - will fail when length > 110 m
(yellow)	Not evaluated against the test limit

ISO11801 Channel Class D 2pr

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	i	i	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				
							20	10.2	42	17	31.8	31.4	39	28.8	28.4				
							25	11.5	40.3	16	28.9	29.4	37.3	25.9	26.4				
							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				

i	Informational measurement only, no limit available
(blue)	10% length rule - will fail when length > 110 m
(yellow)	Not evaluated against the test limit

TP-PMD

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	i	i	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								
							20	i	31.5		29.0								
							25	i	30.1		27.6								
							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								

i	Informational measurement only, no limit available
(blue)	10% length rule - will fail when length > 110 m
(yellow)	Not evaluated against the test limit

Voice - 1 Pair

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
4,5 - 4,5	40			i	i	i													

i — Informational measurement only, no limit available

(yellow) — Not evaluated against the test limit

Voice - 2 Pair

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
3,6 - 3,6	40			i	i	i													
4,5 - 4,5																			

i — Informational measurement only, no limit available

(yellow) — 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
	Ω	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			860	5160	1000	1	8.6											
							4	i											
							8	i											
							10	i											
							16	i											
							20	i											
							25	i											
							31.25	i											
							62.5	i											
							100	i											
							200	i											
							250	i											
							350	i											

i — Informational measurement only, no limit available

(cyan) — 10% length rule - will fail when length > 946 m

ZugBus-Zug 2pr

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			860	5160	1000	1	8.6	55.0										
							4	i	i										
							8	i	i										
7,8 - 7,8							10	i	i										
							16	i	i										
							20	i	i										
							25	i	i										
							31.25	i	i										
							62.5	i	i										
							100	i	i										
							200	i	i										
							250	i	i										
							350	i	i										

i — Informational measurement only, no limit available

(cyan) — 10% length rule - will fail when length > 946 m

ZugBus-Wagen (WTB) 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
	Ω	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			64	384	74	1	1.0											
							4	i											
							8	i											
							10	i											
							16	i											
							20	i											
							25	i											
							31.25	i											
							62.5	i											
							100	i											
							200	i											
							250	i											
							350	i											

i	Informational measurement only, no limit available
(shaded)	10% length rule - will fail when length > 70.4 m

ZugBus-Wagen (WTB) 2pr

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			64	384	74	1	1.0	55.0										
							4	i	i										
							8	i	i										
7,8 - 7,8							10	i	i										
							16	i	i										
							20	i	i										
							25	i	i										
							31.25	i	i										
							62.5	i	i										
							100	i	i										
							200	i	i										
							250	i	i										
							350	i	i										

i	Informational measurement only, no limit available
(shaded)	10% length rule - will fail when length > 70.4 m

MVB 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
	Ω	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			200	384	74	1	3.0											
							4	i											
							8	i											
							10	i											
							16	i											
							20	i											
							25	i											
							31.25	i											
							62.5	i											
							100	i											
							200	i											
							250	i											
							350	i											

i	Informational measurement only, no limit available
(shaded)	10% length rule - will fail when length > 220 m

MVB 2pr

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			200	384	74	1	3.0	45.0										
							4	i	i										
							8	i	i										
7,8 - 7,8							10	i	i										
							16	i	i										
							20	i	i										
							25	i	i										
							31.25	i	i										
							62.5	i	i										
							100	i	i										
							200	i	i										
							250	i	i										
							350	i	i										

- i — Informational measurement only, no limit available
- 10% length rule - will fail when length > 220 m

Profinet

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	20	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				
							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				
							25	11.5	40.3	16.0	28.9	29.4	37.3	25.9	26.4				
							31.25	12.9	38.7	15.1	25.8	27.5	35.7	22.8	24.5				
							62.5	18.6	33.6	12.0	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				

- 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

Profinet 2pr E2E

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	20	1	4.0	62.1	17.0	58.1	57.4	57.0	53.0	54.4				
3,6 - 3,6							4	4.5	52.0	17.0	47.5	45.4	50.5	46.0	42.4				
							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				
							20	10.2	40.0	17.0	29.8	31.4	39.0	28.8	28.4				
							25	11.5	38.4	16.0	26.9	29.4	37.3	25.9	26.4				
							31.25	12.9	36.7	15.1	23.8	27.5	35.7	22.8	24.5				
							62.5	18.6	31.3	12.0	12.7	21.5	30.6	12.0	18.5				
							100	24.0	27.7	10.0	3.7	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				

- 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

T1

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			305	i	i	1	i	i										
							4	i	i										
4,5 - 4,5							8	i	i										
							10	7.1	47.0										
							16	i	i										
							20	i	i										
							25	i	i										
							31.25	i	i										
							62.5	i	i										
							100	i	i										
							200	i	i										
							250	i	i										
							350	i	i										

i	Informational measurement only, no limit available
(yellow)	Not evaluated against the test limit

CATV Broadband

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	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				
							16	8.0	i	i	i	i	i	i	i				
							20	9.0	i	i	i	i	i	i	i				
							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				

i	Informational measurement only, no limit available
(yellow)	Not evaluated against the test limit
(cyan)	10% length rule - will fail when length > 70.4 m

Measure All

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew
	Ω	Ω or %	Ω or %	Max.	nS	nS
1,2 - 1,2	i	i	i	i	i	i
3,6 - 3,6						
4,5 - 4,5						
7,8 - 7,8						

i	Informational measurement only, no limit available

* Bad patch cord warning disabled

** Intended for laboratory use only

Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
10	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
20	i	i	i	i	i	i	i	i	i	i	i	i
25	i	i	i	i	i	i	i	i	i	i	i	i
31.25	i	i	i	i	i	i	i	i	i	i	i	i
62.5	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
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
450	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
600	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
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
1100	i				i			i		i		
1200	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		
							20	10.2	41.5	16.4		29.0	38.5		26.0	33.5	4.0		
							25	11.5	39.8	15.4		27.1	36.8		24.1	32.0	2.0		
							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		

- i: Informational measurement only, no limit available
- (light blue): If Insertion Loss < 3 dB, not evaluated against the test limit
- (dark blue): If Insertion Loss < 4 dB, not evaluated against the test limit

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		
							20	10.2	41.5	16.4		29.0	38.5		26.0	40.0	14.0		
							25	11.5	39.8	15.4		27.1	36.8		24.1	40.0	12.0		
							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		

- i: Informational measurement only, no limit available
- (light blue): If Insertion Loss < 3 dB, not evaluated against the test limit
- (dark blue): If Insertion Loss < 4 dB, not evaluated against the test limit

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		
							20	10.2	41.5	16.4		29.0	38.5		26.0	40.0	24.0		
							25	11.5	39.8	15.4		27.1	36.8		24.1	40.0	22.0		
							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		

- i: Informational measurement only, no limit available
- (light blue): If Insertion Loss < 3 dB, not evaluated against the test limit
- (dark blue): If Insertion Loss < 4 dB, not evaluated against the test limit

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		
							20	10.6	41.7	16.5		30.3	38.7		27.3	33.5	4.0		
							25	11.9	40.0	15.4		28.3	37.0		25.3	32.0	2.0		
							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		

- i — Informational measurement only, no limit available
- (light shading, RL) — If Insertion Loss < 3 dB, not evaluated against the test limit
- (dark shading, NEXT / PS NEXT) — If Insertion Loss < 4 dB, not evaluated against the test limit

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		
							20	10.6	41.7	16.5		30.3	38.7		27.3	40.0	14.0		
							25	11.9	40.0	15.4		28.3	37.0		25.3	40.0	12.0		
							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		

- i — Informational measurement only, no limit available
- (light shading, RL) — If Insertion Loss < 3 dB, not evaluated against the test limit
- (dark shading, NEXT / PS NEXT) — If Insertion Loss < 4 dB, not evaluated against the test limit

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		
							20	10.6	41.7	16.5		30.3	38.7		27.3	40.0	24.0		
							25	11.9	40.0	15.4		28.3	37.0		25.3	40.0	22.0		
							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		

- i — Informational measurement only, no limit available
- (light shading, RL) — If Insertion Loss < 3 dB, not evaluated against the test limit
- (dark shading, NEXT / PS NEXT) — If Insertion Loss < 4 dB, not evaluated against the test limit

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		
							20	7.9	53.1	19.5		39.2	50.7		36.2	33.5	4.0		
							25	8.8	51.5	19.0		37.3	49.1		34.3	32.0	2.0		
							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		

i	Informational measurement only, no limit available
(light shading)	If Insertion Loss < 3 dB, not evaluated against the test limit
(dark shading)	If Insertion Loss < 4 dB, not evaluated against the test limit

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		
							20	7.9	53.1	19.5		39.2	50.7		36.2	40.0	14.0		
							25	8.8	51.5	19.0		37.3	49.1		34.3	40.0	12.0		
							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		

i	Informational measurement only, no limit available
(light shading)	If Insertion Loss < 3 dB, not evaluated against the test limit
(dark shading)	If Insertion Loss < 4 dB, not evaluated against the test limit

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		
							20	7.9	53.1	19.5		39.2	50.7		36.2	40.0	24.0		
							25	8.8	51.5	19.0		37.3	49.1		34.3	40.0	22.0		
							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		

i	Informational measurement only, no limit available
(light shading)	If Insertion Loss < 3 dB, not evaluated against the test limit
(dark shading)	If Insertion Loss < 4 dB, not evaluated against the test limit

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		
							20	7.9	53.1	19.5		38.2	50.7		35.2	33.5	4.0		
							25	8.9	51.5	19.0		36.2	49.1		33.2	32.0	2.0		
							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		

i	Informational measurement only, no limit available
	If Insertion Loss < 3 dB, not evaluated against the test limit
	If Insertion Loss < 4 dB, not evaluated against the test limit

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		
							20	7.9	53.1	19.5		38.2	50.7		35.2	40.0	14.0		
							25	8.9	51.5	19.0		36.2	49.1		33.2	40.0	12.0		
							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		

i	Informational measurement only, no limit available
	If Insertion Loss < 3 dB, not evaluated against the test limit
	If Insertion Loss < 4 dB, not evaluated against the test limit

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		
							20	7.9	53.1	19.5		38.2	50.7		35.2	40.0	24.0		
							25	8.9	51.5	19.0		36.2	49.1		33.2	40.0	22.0		
							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		

i	Informational measurement only, no limit available
	If Insertion Loss < 3 dB, not evaluated against the test limit
	If Insertion Loss < 4 dB, not evaluated against the test limit

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		
							20	9.3	51.4	16.7		36.3	48.7		33.3	33.5	4.0		
							25	10.5	49.7	16.2		34.4	47.0		31.4	32.0	2.0		
							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		

- i: Informational measurement only, no limit available
- Light purple: If Insertion Loss < 3 dB, not evaluated against the test limit
- Blue: If Insertion Loss < 4 dB, not evaluated against the test limit

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		
							20	9.3	51.4	16.7		36.3	48.7		33.3	40.0	14.0		
							25	10.5	49.7	16.2		34.4	47.0		31.4	40.0	12.0		
							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		

- i: Informational measurement only, no limit available
- Light purple: If Insertion Loss < 3 dB, not evaluated against the test limit
- Blue: If Insertion Loss < 4 dB, not evaluated against the test limit

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		
							20	9.3	51.4	16.7		36.3	48.7		33.3	40.0	24.0		
							25	10.5	49.7	16.2		34.4	47.0		31.4	40.0	22.0		
							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		

- i: Informational measurement only, no limit available
- Light purple: If Insertion Loss < 3 dB, not evaluated against the test limit
- Blue: If Insertion Loss < 4 dB, not evaluated against the test limit

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	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		
							20	7.7	53.1	19.5		39.2	50.7		36.2	40.0	24.0		
							25	8.6	51.5	19.0		37.3	49.1		34.3	40.0	22.0		
							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		

i	Informational measurement only, no limit available
(light purple)	If Insertion Loss < 3 dB, not evaluated against the test limit
(blue)	If Insertion Loss < 4 dB, not evaluated against the test limit

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	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair		Delay	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 - 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				
							20	10.2	39.0	15.0	28.8	31.0			28.4				
							25	11.4	37.4	14.0	26.0	29.0			26.4				
							31.25	12.9	35.7	13.1	22.9	27.1			24.5				
							62.5	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				

- i — Informational measurement only, no limit available
- (light cyan) 10% length rule - will fail when length > 110 m
- (light yellow) Not evaluated against the test limit
- (lavender) If Insertion Loss < 3 dB, not evaluated against the test limit
- (green) If FEXT is < 70 dB, not evaluated against the test limit

Rollover Channel Class Ea

Wire Map	Resistance	Resistance		Length	Prop.	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		Delay	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 - 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				
							25	10.2	50.0	17.0	39.8	35.3	47.3	37.1	32.3				
							31.25	11.5	48.4	16.5	36.9	33.4	45.7	34.2	30.4				
							62.5	16.4	43.4	14.0	27.0	27.3	40.6	24.2	24.3				
							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	30.6	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				

- (light yellow) Not evaluated against the test limit
- (lavender) If Insertion Loss < 3 dB, not evaluated against the test limit
- (blue) If Insertion Loss < 4 dB, not evaluated against the test limit
- (green) If FEXT is < 70 dB, not evaluated against the test limit
- (orange) If PS FEXT is < 67 dB, not evaluated against the test limit
- (dark blue) If Insertion Loss @ 450 MHz is < 12 dB, then:

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	Freq.	Insertion	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
		Unbalance	Pair to Pair		Delay	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 - 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				
							20	9.3	51.6	17.5	42.3	37.2	49.0	39.7	34.2				
							25	10.5	50.0	17.0	39.6	35.3	47.3	36.9	32.3				
							31.25	11.7	48.4	16.5	36.7	33.4	45.7	34.0	30.4				
							62.5	16.9	43.4	14.0	26.5	27.3	40.6	23.7	24.3				
							100	21.7	39.9	12.0	18.2	23.3	37.1	15.4	20.3				
							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				

- i — Informational measurement only, no limit available
- (light yellow) Not evaluated against the test limit
- (lavender) If Insertion Loss < 3 dB, not evaluated against the test limit
- (blue) If Insertion Loss < 4 dB, not evaluated against the test limit
- (green) If FEXT is < 70 dB, not evaluated against the test limit
- (orange) If PS FEXT is < 67 dB, not evaluated against the test limit

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				
							20	10.2	42.0	17.0	31.8	31.4	39.0	28.8	28.4				
							25	11.5	40.3	16.0	28.9	29.4	37.3	25.9	26.4				
							31.25	12.9	38.7	15.1	25.8	27.5	35.7	22.8	24.5				
							62.5	18.6	33.6	12.0	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				

i	Informational measurement only, no limit available
(light yellow)	Not evaluated against the test limit
(lavender)	If Insertion Loss < 3 dB, not evaluated against the test limit
(blue)	If Insertion Loss < 4 dB, not evaluated against the test limit
(green)	If FEXT is < 70 dB, not evaluated against the test limit
(orange)	If PS FEXT is < 67 dB, not evaluated against the test limit

TIA C6A Cable 100m (LA)

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	19			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				
							25	9.4	53.3	24.3		39.8	51.3		36.8				
							31.25	10.5	51.9	23.6		37.9	49.9		34.9				
							62.5	15.0	47.4	21.5		31.9	45.4		28.9				
							100	19.1	44.3	20.1		27.8	42.3		24.8				
							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				

- 10% length rule - will fail when length > 110 m
- Not evaluated against the test limit
- If Insertion Loss < 3 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

TIA C6A PCable 100m (LA)

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	22.8			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				
							25	11.3	53.3	24.2		39.8	51.3		36.8				
							31.25	12.6	51.9	23.3		37.9	49.9		34.9				
							62.5	18.0	47.4	20.7		31.9	45.4		28.9				
							100	23.0	44.3	19.0		27.8	42.3		24.8				
							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				

- 10% length rule - will fail when length > 110 m
- Not evaluated against the test limit
- If Insertion Loss < 3 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

TIA C6Cable 100m (LA)

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	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				
							20	8.5	54.8	25.0		41.8	52.8		38.8				
							25	9.5	53.3	24.3		39.8	51.3		36.8				
							31.25	10.7	51.9	23.6		37.9	49.9		34.9				
							62.5	15.4	47.4	21.5		31.9	45.4		28.9				
							100	19.8	44.3	20.1		27.8	42.3		24.8				
							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				

- i — Informational measurement only, no limit available
- 10% length rule - will fail when length > 110 m
- Not evaluated against the test limit
- If Insertion Loss < 3 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

TIA C6PCable 100m (LA)

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	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 C5eCable 100m (LA)

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	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 C5ePCable 100m (LA)

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	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	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	19			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				
							20	8.2	80.0	25.0		69.3	77.0		66.3				
							25	9.2	80.0	24.3		67.3	77.0		64.3				
							31.25	10.3	80.0	23.6		65.4	77.0		62.4				
							62.5	14.6	78.5	21.5		59.4	75.5		56.4				
							100	18.5	75.4	20.1		55.3	72.4		52.3				
							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				

i	Informational measurement only, no limit available
	10% length rule - will fail when length > 110 m
	Not evaluated against the test limit
	If Insertion Loss < 3 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

ISO C7A PCable 100m (LA)

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	19			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				
							20	12.3	80.0	25.0		69.3	77.0		66.3				
							25	13.7	80.0	24.2		67.3	77.0		64.3				
							31.25	15.4	80.0	23.3		65.4	77.0		62.4				
							62.5	21.9	78.5	20.7		59.4	75.5		56.4				
							100	27.8	75.4	19.0		55.3	72.4		52.3				
							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				

i	Informational measurement only, no limit available
	10% length rule - will fail when length > 110 m
	Not evaluated against the test limit
	If Insertion Loss < 3 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

ISO C7 Cable 100m (LA)

Wire Map	Resistance	Resistance Unbalance	Resistance Pair to Pair	Length	Prop. Delay	Delay Skew
	Ω	Ω or %	Ω or %	Max.	nS	nS
1,2 - 1,2	19			100	545.4	25
3,6 - 3,6						
4,5 - 4,5						
7,8 - 7,8						

i	Informational measurement only, no limit available
	10% length rule - will fail when length > 110 m
	Not evaluated against the test limit
	If Insertion Loss < 3 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

Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1	2.0	80.0	20.0		80.0	77.0		77.0				
4	3.7	80.0	23.0		80.0	77.0		77.0				
8	5.2	80.0	24.5		75.9	77.0		72.9				
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				
20	8.3	80.0	25.0		68.0	77.0		65.0				
25	9.3	80.0	24.3		66.0	77.0		63.0				
31.25	10.4	80.0	23.6		64.1	77.0		61.1				
62.5	14.9	75.5	21.5		58.1	72.5		55.1				
100	19.0	72.4	20.1		54.0	69.4		51.0				
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	Prop. Delay	Delay Skew
	Ω	Ω or %	Ω or %	Max.	nS	nS
1,2 - 1,2	22.8			100	545.4	25
3,6 - 3,6						
4,5 - 4,5						
7,8 - 7,8						

i	Informational measurement only, no limit available
	10% length rule - will fail when length > 110 m
	Not evaluated against the test limit
	If Insertion Loss < 3 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

Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	TCL	ELTCTL	CDNEXT	CMRL
MHz	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
1	3.0	80.0	20.0		80.0	77.0		77.0				
4	5.6	80.0	23.0		80.0	77.0		77.0				
8	7.9	80.0	24.5		75.9	77.0		72.9				
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				
20	12.4	80.0	25.0		68.0	77.0		65.0				
25	13.9	80.0	24.2		66.0	77.0		63.0				
31.25	15.6	80.0	23.3		64.1	77.0		61.1				
62.5	22.3	75.5	20.7		58.1	72.5		55.1				
100	28.5	72.4	19.0		54.0	69.4		51.0				
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		i				
800	i	i	i		i	i		i				
900	i	i	i		i	i		i				
1000	i	i	i		i	i		i				

ISO C6A Cable 100m (LA)

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	19			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				
							25	9.4	53.3	24.3		39.8	51.3		36.8				
							31.25	10.5	51.9	23.6		37.9	49.9		34.9				
							62.5	15.0	47.4	21.5		31.9	45.4		28.9				
							100	19.1	44.3	20.1		27.8	42.3		24.8				
							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				

i	Informational measurement only, no limit available
(light blue)	10% length rule - will fail when length > 110 m
(light yellow)	Not evaluated against the test limit
(lavender)	If Insertion Loss < 3 dB, not evaluated against the test limit
(green)	If FEXT is < 70 dB, not evaluated against the test limit
(orange)	If PS FEXT is < 67 dB, not evaluated against the test limit

ISO C6A PCable 100m (LA)

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	22.8			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				
							20	12.6	54.8	25.0		41.8	52.8		38.8				
							25	14.1	53.3	24.2		39.8	51.3		36.8				
							31.25	15.8	51.9	23.3		37.9	49.9		34.9				
							62.5	22.5	47.4	20.7		31.9	45.4		28.9				
							100	28.7	44.3	19.0		27.8	42.3		24.8				
							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				

i	Informational measurement only, no limit available
(light blue)	10% length rule - will fail when length > 110 m
(light yellow)	Not evaluated against the test limit
(lavender)	If Insertion Loss < 3 dB, not evaluated against the test limit
(green)	If FEXT is < 70 dB, not evaluated against the test limit
(orange)	If PS FEXT is < 67 dB, not evaluated against the test limit

ISO C6 Cable 100m (LA)

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	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				
							20	8.5	55.8	25.0		42.0	52.8		39.0				
							25	9.6	54.3	24.3		40.0	51.3		37.0				
							31.25	10.7	52.9	23.6		38.1	49.9		35.1				
							62.5	15.5	48.4	21.5		32.1	45.4		29.1				
							100	19.9	45.3	20.1		28.0	42.3		25.0				
							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				

i	Informational measurement only, no limit available
(light blue)	10% length rule - will fail when length > 110 m
(light yellow)	Not evaluated against the test limit
(lavender)	If Insertion Loss < 3 dB, not evaluated against the test limit
(green)	If FEXT is < 70 dB, not evaluated against the test limit
(orange)	If PS FEXT is < 67 dB, not evaluated against the test limit

ISO C6PCable 100m (LA)

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	3.1	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				
							20	12.8	54.8	25.0		41.8	52.8		38.8				
							25	14.4	53.3	24.2		39.8	51.3		36.8				
							31.25	16.1	51.9	23.3		37.9	49.9		34.9				
							62.5	23.3	47.4	20.7		31.9	45.4		28.9				
							100	29.9	44.3	19.0		27.8	42.3		24.8				
							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				

- i — Informational measurement only, no limit available
- (light cyan) 10% length rule - will fail when length > 110 m
- (light yellow) Not evaluated against the test limit
- (lavender) If Insertion Loss < 3 dB, not evaluated against the test limit
- (green) If FEXT is < 70 dB, not evaluated against the test limit
- (orange) If PS FEXT is < 67 dB, not evaluated against the test limit

ISO C5e Cable 100m (LA)

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	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				
							20	9.3	45.8	25.0		38.0	42.8		35.0				
							25	10.4	44.3	24.3		36.0	41.3		33.0				
							31.25	11.7	42.9	23.6		34.1	39.9		31.1				
							62.5	17.0	38.4	21.5		28.1	35.4		25.1				
							100	22.0	35.3	20.1		24.0	32.3		21.0				
							200	i	i	i		i	i		i				
							250	i	i	i		i	i		i				
							350	i	i	i		i	i		i				

- i — Informational measurement only, no limit available
- (light cyan) 10% length rule - will fail when length > 110 m
- (light yellow) Not evaluated against the test limit
- (lavender) If Insertion Loss < 3 dB, not evaluated against the test limit
- (green) If FEXT is < 70 dB, not evaluated against the test limit
- (orange) If PS FEXT is < 67 dB, not evaluated against the test limit

ISO C5ePCable 100m (LA)

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	3.2	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				
							20	13.5	45.8	25.0		37.8	42.8		34.8				
							25	15.2	44.3	24.2		35.8	41.3		32.8				
							31.25	17.1	42.9	23.3		33.9	39.9		30.9				
							62.5	24.8	38.4	20.7		27.9	35.4		24.9				
							100	32.0	35.3	19.0		23.8	32.3		20.8				
							200	i	i	i		i	i		i				
							250	i	i	i		i	i		i				
							350	i	i	i		i	i		i				

- i — Informational measurement only, no limit available
- (light cyan) 10% length rule - will fail when length > 110 m
- (light yellow) Not evaluated against the test limit
- (lavender) If Insertion Loss < 3 dB, not evaluated against the test limit
- (green) If FEXT is < 70 dB, not evaluated against the test limit
- (orange) If PS FEXT is < 67 dB, not evaluated against the test limit

ISO Cat 6A Connector (LA)

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		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	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		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									
							600		60.7	12.4									

ISO Cat 7A Connector (LA)

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		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	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		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									
							250		i	i									
							350		i	i									

TIA Cat 6 Connector (LA)

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		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	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		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									

Belden 2183R/P 4K UHD Media Cable 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												
	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	None	100	555	50	1	2.0	57.3	20.0		63.8	56.3		60.8					
3,6 - 3,6							4	3.8	48.3	20.0		51.8	47.3		48.8					
4,5 - 4,5							8	5.3	43.8	20.0		45.7	42.8		42.7					
7,8 - 7,8							10	5.9	42.3	20.0		43.8	41.3		40.8					
							16	7.5	39.2	20.0		39.7	38.2		36.7					
							20	8.4	37.8	20.0		37.8	36.8		34.8					
	10% length rule - will fail when length > 110 m						25	9.3	36.3	20.0		35.8	35.3		32.8					
	Not evaluated against the test limit						31.25	10.5	34.9	20.0		33.9	33.9		30.9					
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	14.8	30.4	19.5		27.9	29.4		24.9					
	If FEXT is < 70 dB, not evaluated against the test limit						100	18.8	27.3	18.1		23.8	26.3		20.8					
							200	26.6	22.8	16.0		17.8	21.8		14.8					
							250	29.8	21.3	15.3		15.8	20.3		12.8					
							350	35.4	19.1	14.3		12.9	18.1		9.9					
							450	40.3	17.5	13.5		10.7	16.5		7.7					
							500	42.5	16.8	13.2		9.8	15.8		6.8					

Extron XTP/DTP 24 Series 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												
	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	None	100	555	50	1	3.0	65.0	20.0	62.0	69.0	62.0	59.0	66.0					
3,6 - 3,6							4	4.1	62.0	23.0	57.9	56.7	60.5	56.4	53.7					
4,5 - 4,5							8	5.8	56.1	24.5	50.3	50.6	54.8	49.0	47.6					
7,8 - 7,8							10	6.5	54.1	25.0	47.7	48.6	53.0	46.5	45.6					
							16	8.2	50.1	23.6	41.9	44.4	49.1	40.9	41.4					
							20	9.2	48.2	22.9	39.0	42.5	47.3	38.1	39.5					
	10% length rule - will fail when length > 110 m						25	10.4	46.3	22.2	35.9	40.5	45.5	35.1	37.5					
	Not evaluated against the test limit						31.25	11.7	44.4	21.6	32.7	38.5	43.6	32.0	35.5					
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	16.8	38.4	19.5	21.6	32.4	38.0	21.1	29.4					
	If FEXT is < 70 dB, not evaluated against the test limit						100	21.7	34.4	18.1	12.7	28.2	34.1	12.4	25.2					
							200	31.8	28.5	16.0	-3.4	22.1	28.4	-3.4	19.1					
							250	36.1	26.6	15.3	-9.6	20.1	26.6	-9.5	17.1					
							350	42.4	23.8	13.4	-18.6	17.1	23.2	-19.2	14.8					
							450	46.9	21.8	11.2	-25.0	14.9	20.1	-26.8	13.7					
							500	49.0	21.0	10.2	-28.0	14.0	18.8	-30.2	13.2					

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Extron XTP/DTP 24 Series PL

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	None	None	None	90	498	44	1	3.0	65.0	20.0	62.0	69.0	62.0	59.0	66.0					
3,6 - 3,6							4	4.1	62.0	23.0	57.9	56.7	60.5	56.4	53.7					
4,5 - 4,5							8	5.8	56.1	24.5	50.3	50.6	54.8	49.0	47.6					
7,8 - 7,8							10	6.5	54.1	25.0	47.7	48.6	53.0	46.5	45.6					
							16	8.2	50.1	23.6	41.9	44.4	49.1	40.9	41.4					
							20	9.2	48.2	22.9	39.0	42.5	47.3	38.1	39.5					
	10% length rule - will fail when length > 110 m						25	10.4	46.3	22.2	35.9	40.5	45.5	35.1	37.5					
	Not evaluated against the test limit						31.25	11.7	44.4	21.6	32.7	38.5	43.6	32.0	35.5					
	If Insertion Loss < 3 dB, not evaluated against the test limit						62.5	16.8	38.4	19.5	21.6	32.4	38.0	21.1	29.4					
	If FEXT is < 70 dB, not evaluated against the test limit						100	21.7	34.4	18.1	12.7	28.2	34.1	12.4	25.2					
							200	31.8	28.5	16.0	-3.4	22.1	28.4	-3.4	19.1					
							250	36.1	26.6	15.3	-9.6	20.1	26.6	-9.5	17.1					
							350	42.4	23.8	13.4	-18.6	17.1	23.2	-19.2	14.8					
							450	46.9	21.8	11.2	-25.0	14.9	20.1	-26.8	13.7					
							500	49.0	21.0	10.2	-28.0	14.0	18.8	-30.2	13.2					

Graybar VIP1000 Channel

Wire Map	Resistance	Resistance		Length	Prop.	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		Delay	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	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	Resistance	Length	Prop.	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		Delay	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	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				

FLUKE networks

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				

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				
							20	28.3	45.8	25.0		38.0	42.8		35.0				
							25	31.8	44.3	24.3		36.0	41.3		33.0				
							31.25	35.8	42.9	23.6		34.1	39.9		31.1				
							62.5	51.9	38.4	21.5		28.1	35.4		25.1				
							100	67.0	35.3	20.1		24.0	32.3		21.0				

This test may put tester in Long Comm mode giving a longer test time

- 10% length rule - will fail when length > 335 m
- Not evaluated against the test limit
- If Insertion Loss < 3 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

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				
							16	23.2	57.2	25.0		43.9	54.2		40.9				
							20	26.0	55.8	25.0		42.0	52.8		39.0				
							25	29.2	54.3	24.3		40.0	51.3		37.0				
							31.25	32.8	52.9	23.6		38.1	49.9		35.1				
							62.5	47.2	48.4	21.5		32.1	45.4		29.1				
							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				

This test may put tester in Long Comm mode giving a longer test time

- 10% length rule - will fail when length > 335 m
- Not evaluated against the test limit
- If Insertion Loss < 3 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

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				
							16	22.8	56.2	25.0		43.7	54.2		40.7				
							20	25.6	54.8	25.0		41.8	52.8		38.8				
							25	28.6	53.3	24.3		39.8	51.3		36.8				
							31.25	32.0	51.9	23.6		37.9	49.9		34.9				
							62.5	45.7	47.4	21.5		31.9	45.4		28.9				
							100	58.4	44.3	20.1		27.8	42.3		24.8				
							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				

This test may put tester in Long Comm mode giving a longer test time

- i — Informational measurement only, no limit available
- 10% length rule - will fail when length > 335 m
- Not evaluated against the test limit
- If Insertion Loss < 3 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

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
						8	3.0
						10	3.0
						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

Limit starts at 5 MHz and end at 1,002 MHz

i	Informational measurement only, no limit available

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
						8	3.0
						10	3.0
						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

Limit starts at 5 MHz and end at 1,002 MHz

i	Informational measurement only, no limit available

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
						8	3.0
						10	3.0
						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

Limit starts at 5 MHz and end at 1,002 MHz

i	Informational measurement only, no limit available

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	
						8	
						10	
						16	
						20	
						25	
						31.25	
						62.5	
						100	
						200	
						250	
						350	
						450	
						500	
						600	
						700	
						800	
						900	
						1002	

This test limit is length dependent.

Limit starts at 5 MHz and end at 1,002 MHz

i	Informational measurement only, no limit available

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		$IF(FREQ < 5, NA, MAX(3, (LENGTH/100 * (0.4 * SQRT(FREQ) + 0.00168 * FREQ + 0.77/SQRT(FREQ))) + (2 * 0.02 * SQRT(FREQ))))$
						5	
						8	
						10	
						16	
						20	
						25	
						31.25	
						62.5	
						100	
						200	
						250	
						350	
						450	
						500	
						600	
						700	
						800	
						900	
						1002	

This test limit is length dependent.

Limit starts at 5 MHz and end at 1,002 MHz

i	Informational measurement only, no limit available

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		$IF(FREQ < 5, NA, MAX(3, (LENGTH/100 * (0.4 * SQRT(FREQ) + 0.00168 * FREQ + 0.77/SQRT(FREQ))) + (2 * 0.02 * SQRT(FREQ))))$
						5	
						8	
						10	
						16	
						20	
						25	
						31.25	
						62.5	
						100	
						200	
						250	
						350	
						450	
						500	
						600	
						700	
						800	
						900	
						1002	

This test limit is length dependent.

Limit starts at 5 MHz and end at 1,002 MHz

i	Informational measurement only, no limit available

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	$MAX(3, 1.1*(LENGTH/137.2*(1.145*SQRT(FREQ)+0.009*FREQ+0.2/SQRT(FREQ)) + (2 * 0.02 * SQRT(FREQ))))$
						4	
						8	
						10	
						16	
						20	
						25	
						31.25	
						62.5	
						100	

This test limit is length dependent.

Limit starts at 5 MHz and end at 100 MHz

i	Informational measurement only, no limit available

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	$MAX(3, 1.1*(LENGTH/68.6*(1.145*SQRT(FREQ)+0.009*FREQ+0.2/SQRT(FREQ)) + (2 * 0.02 * SQRT(FREQ))))$
						4	
						8	
						10	
						16	
						20	
						25	
						31.25	
						62.5	
						100	

This test limit is length dependent.

Limits starts at 1 MHz and end at 100 MHz

i	Informational measurement only, no limit available

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	
						8	
						10	
						16	
						20	
						25	
						31.25	
						62.5	
						100	

This test limit is length dependent.

Limits starts at 1 MHz and end at 100 MHz

Measurement runs to 350 MHz

i	Informational measurement only, no limit available

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
						25	i
						31.25	i
						62.5	i
						100	i
						200	i
						250	i
						350	i

i	Informational measurement only, no limit available

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
						25	i
						31.25	i
						62.5	i
						100	i
						200	i
						250	i
						350	i

i	Informational measurement only, no limit available

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
						25	i
						31.25	i
						62.5	i
						100	i
						200	i
						250	i
						350	i

i	Informational measurement only, no limit available

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
						8	i
						10	i
						16	i
						20	i
						25	i
						31.25	i
						62.5	i
						100	i
						200	i
						250	i
						350	i

*Impedance Limit depends on cable type

For 50 Ω, the limit is 42 Ω to 58 Ω

For 75 Ω, the limit is 67 Ω to 83 Ω

For 93 Ω, the limit is 85 Ω to 101 Ω

i	Informational measurement only, no limit available

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
						31.25	i
						62.5	i
						100	i
						200	i
						250	i
						350	i

i	Informational measurement only, no limit available

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
						31.25	i
						62.5	i
						100	i
						200	i
						250	i
						350	i

i	Informational measurement only, no limit available

CertiFiber® Pro

Test Limits for Version 5.2 Build 1

TIA-568-C has been replaced with TIA-568.3-D

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				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				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					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				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				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				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 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						6.3						10000
OM1					2.5							300
OM2 400					2							240
OM2, OM3, OM4					2							300

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	Length m
OM1 160				2.6								26
OM1				2.4								33
OM2 400				2.2								66
OM2				2.3								82
OM3				2.6								300
OM4				2.9								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	Length m
OS1, OS2						18.5*						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	Length m
OS2							4					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	Length m
OS1, OS2						6.7						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	Length m
OM3				1.9								100
OM4				1.5								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	Length m
OM1, OM1 160, OM2, OM2 400, OM3, OM4					10							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	Length m
OM1, OM1 160, OM2, OM2 400, OM3, OM4				7.2								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	Length m
OM1, OM1 160, OM2, OM2 400, OM3, OM4					10							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	Length m
OM1, OM1 160, OM2, OM2 400, OM3, OM4					6							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	Length m
OM1, OM1 160, OM2, OM2 400, OM3, OM4				4								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	Length m
OM1, OM1 160, OM2, OM2 400, OM3, OM4					11							2000

Fibre Channel 100-M5-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
OM2, OM3, OM4				3.85								500

Fibre Channel 100-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
OM2, OM3, OM4				4.62								860

Fibre Channel 100-M6-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
OM1				3								300

Fibre Channel 100-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						7.8						10000

Fibre Channel 1200-M5-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
OM2, OM3, OM4				2.2								82

Fibre Channel 1200-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
OM2, OM3, OM4				2.6								300

Fibre Channel 1200-M6-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
OM1				2.4								33

Fibre Channel 1200-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						10000

Fibre Channel 133

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
OM1, OM1 160, OM2, OM2 400, OM3, OM4					6							1500

Fibre Channel 1600-M5-SN-S

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
OM2, OM3, OM4				1.63								35

Fibre Channel 1600-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				1.86								100

Fibre Channel 1600-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				1.95								125

Fibre Channel 1600-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

Fibre Channel 200-M5-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
OM2, OM3, OM4				2.62								300

Fibre Channel 200-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
OM2, OM3, OM4				3.31								500

Fibre Channel 200-M6-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
OM1				2.1								150

Fibre Channel 200-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						7.8						10000

Fibre Channel 266

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
OM2, OM2 400, OM3, OM4					5.5							1500
OM1, OM1 160					6							1500

Fibre Channel 266SWL

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
OM1, OM1 160				12								700
OM2, OM2 400, OM3, OM4				12								2000

Fibre Channel 400-M5-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
OM2, OM3, OM4				2.06								150

Fibre Channel 400-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				2.88								380

Fibre Channel 400-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				2.95								400

Fibre Channel 400-M6-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
OM1				1.78								70

Fibre Channel 400-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						7.8						10000

Fibre Channel 400-SM-LC-M

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						4.8						4000

Fibre Channel 800-M5-SN-S

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
OM2, OM3, OM4				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	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM3, OM4				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	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM4				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	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OS1, OS2						2.6						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	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OS1, OS2						6.4						10000

GB 50312-2007 Fiber 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	0.75		0.3					3.5	1.5			2000

GB 50312-2007 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				8.5	4.5							2000

GB 50312-2007 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				2.55	1.95							300

GB 50312-2007 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				3.25	2.25							500

EN50173 Fiber Optic 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	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	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				8.5	4.5							2000

EN50173 OF-300 Channel

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				2.55	1.95							300

EN50173 OF-500 Channel

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				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	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				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				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				3.25	2.25							500

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	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	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	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	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	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				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				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				3.25	2.25							500

Korean Emblem Fiber MM(2006)

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
OM1, OM1 160, OM2, OM2 400, OM3, OM4				11.5	7.5							3500

Korean Emblem Fiber SM(2006)

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						5.5	5.5					15500

Korean Fiber 11dB (2004)

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						11	11					14000
OM1, OM1 160, OM2, OM2 400, OM3, OM4				11	11							3000

Korean Fiber 12dB (2004)

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						12	12					15500
OM1, OM1 160, OM2, OM2 400, OM3, OM4				12	12							3500

Korean Pre-Deploy Comm MM

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
OM1, OM1 160, OM2, OM2 400, OM3, OM4				13	9							

Korean Pre-Deploy Comm SM

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						7	7					

Korean Pre-Deploy Res. SM

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						3.45	3.45					

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	Length m

General 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	Length 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 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
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 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
OM1, OM1 160, OM2, OM2 400, OM3, OM4				2	2							90

TIA-568.3-D Multimode (REF Grade)

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
OM1, OM1 160, OM2, OM2 400, OM3, OM4	0.75	0.3	0.3					3	1.5			2000

TIA-568.3-D Multimode (STD Grade)

Cable Type	Adapter Loss	Adapter Loss	Splice Loss	850 nm	1300 nm	1310 nm	1550 nm	850 nm	1300 nm	1310 nm	1550 nm	Length
		First & Last		Fixed	Fixed	Fixed	Fixed	Loss/km	Loss/km	Loss/km	Loss/km	
				Loss	Loss	Loss	Loss					
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1, OM1 160, OM2, OM2 400, OM3, OM4	0.75	0.75	0.75					3	1.5			2000

TIA-568.3-D Singlemode ISP (REF Grade)

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	0.75	0.5	0.3							1	1	40000

TIA-568.3-D Singlemode ISP (STD Grade)

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	0.75	0.75	0.3							1	1	40000

TIA-568.3-D Singlemode OSP (REF Grade)

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	0.5	0.3							0.5	0.5	40000
OS2	0.75	0.5	0.3							0.4	0.4	40000

TIA-568.3-D Singlemode OSP (STD Grade)

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	0.75	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 5.2 Build 1

TIA-568-C has been replaced with TIA-568.3-D

10/100BASE-SX

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				4.00									300

1000BASE-LX

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						4.70							5000
OM1, OM1 160, OM2, OM2 400, OM3, OM4					2.35								550

1000BASE-SX

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				2.38									220
OM1				2.60									275
OM2 400				3.37									400
OM2, OM3, OM4				3.56									550

100BASE-FX

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					11.00								2000
OM2, OM2 400, OM3, OM4					6.30								2000

100GBASE-ER4

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						15.00							30000

100GBASE-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						6.30							10000

100GBASE-SR10

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				1.50									150

100GBASE-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				1.80									70
OM4				1.90									100

10BASE-FL

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				12.50									2000
OM2, OM2 400, OM3, OM4				7.80									2000

10GBASE-E

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							11.00						40000

10GBASE-L

	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						6.20							10000

10GBASE-LRM

	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				1.90									220
OS1, OS2						1.90							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	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OS1, OS2						6.30							10000
OM1					2.50								300
OM2 400					2.00								240
OM2, OM3, OM4													

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	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1 160				2.60									26
OM1				2.40									33
OM2 400				2.20									66
OM3				2.60									300
OM4				2.90									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	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OS1, OS2						18.50							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	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OS2							4.00						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	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OS1, OS2						6.70							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	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM3				1.90									100
OM4				1.50									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	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1, OM1 160, OM2, OM2 400, OM3, OM4					10.00								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	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1, OM1 160, OM2, OM2 400, OM3, OM4				7.20									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	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1, OM1 160, OM2, OM2 400, OM3, OM4					10.00								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	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1, OM1 160, OM2, OM2 400, OM3, OM4					6.00								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	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1, OM1 160, OM2, OM2 400, OM3, OM4				4.00									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	Reflectance	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1, OM1 160, OM2, OM2 400, OM3, OM4					11.00								2000

Fibre Channel 100-M5-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	Reflectance dB	Length m
OM2, OM3, OM4				3.85									500

Fibre Channel 100-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	Reflectance dB	Length m
OM2, OM3, OM4				4.62									860

Fibre Channel 100-M6-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	Reflectance dB	Length m
OM1				3.00									300

Fibre Channel 100-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	Reflectance dB	Length m
OS1, OS2						7.80							10000

Fibre Channel 1200-M5-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	Reflectance dB	Length m
OM2, OM3, OM4				2.20									82

Fibre Channel 1200-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	Reflectance dB	Length m
OM2, OM3, OM4				2.60									300

Fibre Channel 1200-M6-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	Reflectance dB	Length m
OM1				2.40									33

Fibre Channel 1200-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	Reflectance dB	Length m
OS1, OS2						6.00							10000

Fibre Channel 133

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					6.00								1500

Fibre Channel 1600-M5-SN-S

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
OM2, OM3, OM4				1.63									35

Fibre Channel 1600-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	Reflectance dB	Length m
OM3, OM4				1.86									100

Fibre Channel 1600-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	Reflectance dB	Length m
OM4				1.95									125

Fibre Channel 1600-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	Reflectance dB	Length m
OS1, OS2						6.40							10000

Fibre Channel 200-M5-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	Reflectance dB	Length m
OM2, OM3, OM4				2.62									300

Fibre Channel 200-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	Reflectance dB	Length m
OM2, OM3, OM4				3.31									500

Fibre Channel 200-M6-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	Reflectance dB	Length m
OM1				2.10									150

Fibre Channel 200-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	Reflectance dB	Length m
OS1, OS2						7.80							10000

Fibre Channel 266

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
OM2, OM2 400, OM3, OM4					5.50								1500
OM1, OM1 160					6.00								1500

Fibre Channel 266SWL

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				12.00									700
OM2, OM2 400, OM3, OM4				12.00									2000

Fibre Channel 400-M5-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	Reflectance dB	Length m
OM2, OM3, OM4				2.06									150

Fibre Channel 400-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	Reflectance dB	Length m
OM3, OM4				2.88									380

Fibre Channel 400-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	Reflectance dB	Length m
OM4				2.95									400

Fibre Channel 400-M6-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	Reflectance dB	Length m
OM1				1.78									70

Fibre Channel 400-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	Reflectance dB	Length m
OS1, OS2						7.80							10000

Fibre Channel 400-SM-LC-M

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						4.80							4000

Fibre Channel 800-M5-SN-S

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
OM2, OM3, OM4				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	Reflectance dB	Length m
OM3, OM4				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	Reflectance dB	Length m
OM4				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	Reflectance dB	Length m
OS1, OS2						2.60							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	Reflectance dB	Length m
OS1, OS2						6.40							10000

ISO/IEC 11801-2002 Fibre 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	Reflectance dB	Length m
OM1, OM1 160, OM2, OM2 400, OM3, OM4	0.75		0.30										2000
OS1, OS2	0.75		0.30										5000

ISO/IEC 11801-2002 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	Reflectance dB	Length m
OM1, OM1 160, OM2, OM2 400, OM3, OM4				8.50	4.50								2000
OS1, OS2						3.50	3.50						2000

ISO/IEC 11801-2002 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	Reflectance dB	Length m
OM1, OM1 160, OM2, OM2 400, OM3, OM4				2.55	1.95								300
OS1, OS2						1.80	1.80						300

ISO/IEC 11801-2002 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	Reflectance dB	Length m
OM1, OM1 160, OM2, OM2 400, OM3, OM4				3.25	2.25								500
OS1, OS2						2.00	2.00						500

ISO/IEC 11801-2010

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	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 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	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 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	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 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		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 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	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 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 2000
OM1, OM1 160, OM2, OM2 400, OM3, OM4		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 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	0.75		0.30										2000
OS1, OS2	0.75		0.30										5000

JIS X5155:2016 Fibre 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	Reflectance dB	Length m
OM1, OM1 160, OM2, OM2 400, OM3, OM4	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 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	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 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	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 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	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 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				8.50	4.50								2000
OS1, OS2						3.50	3.50						2000

JIS X5150:2016 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	Reflectance dB	Length m
OM1, OM1 160, OM2, OM2 400, OM3, OM4				2.55	1.95								300
OS1, OS2						1.80	1.80						300

JIS X5150:2016 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	Reflectance dB	Length m
OM1, OM1 160, OM2, OM2 400, OM3, OM4				3.25	2.25								500
OS1, OS2						2.00	2.00						500

Document only

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
Any													

General Fiber

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	0.75		0.30										
OS1, OS2	0.75		0.30										

General Fiber RL -35dB

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	0.75		0.30									-35.00	
OS1, OS2	0.75		0.30									-35.00	

General Fiber RL -40dB

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	0.75		0.30									-40.00	
OS1, OS2	0.75		0.30									-40.00	

General Fiber RL -55dB

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	0.75		0.30									-55.00	
OS1, OS2	0.75		0.30									-55.00	

ANSI/TIA-568.3-D

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	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	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	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	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	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	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	0.75		0.30									-55.00	2000.00
OS1, OS2	0.75		0.30									-55.00	40000.00

FI-7000 FiberInspector™ Pro

Test Limits for Version 5.2 Build 1

IEC 61300-3-35 ED.2

V 5.2 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

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

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

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