

DTX Series CableAnalyzer Limit Line Values



Software Version 2.77
Test Limits 1.94








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Notes:

-  If Insertion Loss is less than 3 dB, the value is recorded but not used for PASS/FAIL criteria.
-  If Insertion Loss is less than 4 dB, the value is recorded but not used for PASS/FAIL criteria.
-  If FEXT is less 70 dB, the ACR-F value is recorded but not used for PASS/FAIL criteria.
-  If FEXT is less 67 dB, the ACR-F value is recorded but not used for PASS/FAIL criteria.
-  If PSFEXT is less 67 dB, the PSACR-F value is recorded but not used for PASS/FAIL criteria.
-  If PSFEXT is less 70 dB, the PSACR-F value is recorded but not used for PASS/FAIL criteria.
-  The value is recorded but not used for PASS/FAIL criteria.

Updates

- 1.94 - Added TIA 1005 Cat 6A Channel and TIA 1005 Cat 6A Perm. Link limits
- 1.94 - Added ISO/IEC 14763-3:2014
- 1.94 - Changed TIA Singlemode fiber length limits to 40,000 m
- 1.94 - Profinet delay skew changed from 50 ns to 20 ns
- 1.94 - Changed generic cable names to match internationally accepted nomenclatures:
UTP becomes U/UTP, FTP becomes F/UTP and STP become S/FTP
- 1.93 - 10GBASE-SR for OM1 changed from 2.5 dB to 2.4 dB (Was a bug in 2.63)
- 1.93 - 10GBASE-SR changed back to 2.6 dB and 300 m for OM3 (Was a bug in 2.63)
- 1.93 - 10GBASE-LX4 length changed to 10,000 m from 5,000 m
- 1.93 - 10GBASE-L length changed to 10,000 m from 5,000 m
- 1.93 - 10GBASE-E loss changed to 11.0 dB and length to 40,000 m from 5,000 m
- 1.93 - Removed JIS X5150:2004 Cl. Fa Channel
- 1.93 - Added LS and Korean Pre-Deploy 100MHz limits
- 1.93 - Updated dB rules
- 1.81 - Added 40GBASE-FR, 40GBASE-LR4, 40GBASE-SR4, 100GBASE-ER4, 100GBASE-LR4, 100GBASE-SR10
- 1.81 - 10GBASE-SR now permits up to 400 m, 2.9 dB loss with OM4 cable per IEEE update
- 1.81 - Added OTDR limits: General Fiber RL -55dB and ISO/IEC 11801-2010 no RL
- 1.81 - Changed the folder name Japanese to JIS
- 1.81 - Added Resistance as an information only parameter to Cat 6A patch cord test limits - does not affect PASS/FAIL
- 1.81 - Added JIS X5150 Japanese Fibre test limits for Tier 1 and Tier 2 testing
- 1.81 - Added new Korean Fiber Standards
- 1.81 - 10GBASE-E and 10GBASE-LX4 values error for OS1 and OS2 cables types will be fixed in the next release
- 1.70 - Changed General Fiber Optic limit (used as a template for creating custom fix loss limits)
Multimode was 4.5 dB @ 850 nm and 2.2 dB @ 1300 nm with a maximum length of 1,000 m
Multimode is now 8.5 dB @ 850 nm and 4.5 dB @ 1300 nm with a maximum length of 2,000 m
Singlemode was 5.0 dB @ 1310 nm nm and 5.0 dB @ 1550 nm with a maximum length of 5,000 m
Singlemode is now 6.5 dB @ 1310 nm nm and 6.5 dB @ 1550 nm with a maximum length of 5,000 m

Index (Click below)

- 1) TIA Standards
- 2) ISO Standards
- 3) Aus/NZ Standards
- 4) Chinese Standards
- 5) EN (European) Standards
- 6) Japanese (JIS) Standards
- 7) Korean Standards
- 8) Russian Standards
- 9) Taiwan Standards
- 10) Patch Cord Standards
- 11) Application Standards
- 12) Vendor Standards
- 13) Coax Standards
- 14) Fiber Loss (Tier 1) Standards
- 15) Fiber OTDR (Tier 2) Standards

**ALWAYS CONSULT YOUR CABLING
VENDOR FOR THE CORRECT TEST LIMIT**

TIA Standards

TIA Cat 3 Channel

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	100 m	555	50	1	4.2	39.1		34.9				
12345678					4	7.3	29.3		22.0				
					8	10.2	24.3		14.0				
12345678S					10	11.5	22.7		11.2				
12345678S					16	14.9	19.2		4.3				

TIA Cat 5e Channel

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	100 m	555	50	1	3	60.0	17.0	57.0	57.4	57.0	54.0	54.4
12345678					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
12345678S					10	7.1	47.0	17.0	39.9	37.4	44.0	36.9	34.4
12345678S					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	30.1	10.0	6.1	17.4	27.1	3.1	14.4

TIA Cat 6 Channel

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	100 m	555	50	1	3	65.0	19.0	62.0	63.3	62.0	59.0	60.3
12345678					4	4	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
12345678S					10	6.3	56.6	19.0	50.2	43.3	54.0	47.7	40.3
12345678S					16	8	53.2	18.0	45.2	39.2	50.6	42.6	36.2
					20	9	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

TIA Cat 6A Channel

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	100 m	555	50	1	3	65.0	19.0	62.0	63.3	62.0	59.0	60.3
12345678					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
12345678S					10	6.5	56.6	19.0	50.1	43.3	54.0	47.5	40.3
12345678S					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
					500	49.3	26.1	6.0	-23.2	9.3	23.2	-26.1	6.3

TIA TSB155 Ch

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	i	555	50	1	3	65.0	19.0		63.3	62.0		60.3
12345678					4	4	63.0	19.0		51.2	60.5		48.2
					8	5.7	58.2	19.0		45.2	55.6		42.2
12345678S					10	6.3	56.6	19.0		43.3	54.0		40.3
12345678S					16	8	53.2	18.0		39.2	50.6		36.2
					20	9	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	33.1	8.0		15.3	30.2		12.3
					350	43.5	29.7	6.6		12.4	26.9		9.4
					500	53.4	22.0	6.0		9.3	20.4		6.3

TIA Cat 3 Perm. Link

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	90 m	498	44	1	3.5	40.1		36.6				
12345678					4	6.2	30.6		24.4				
					8	8.8	25.8		17.0				
12345678S					10	9.9	24.3		14.3				
12345678S					16	13	21.0		8.0				

TIA Cat 5e Perm. Link

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	90 m	498	44	1	3	60.0	19.0	57.0	58.6	57.0	54.0	55.6
12345678					4	3.9	54.8	19.0	50.9	46.6	51.8	47.9	43.6
12345678S 12345678S					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	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	32.3	12.0	11.3	18.6	29.3	8.3	15.6

TIA Cat 6 Perm. Link

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	90 m	498	44	1	3	65.0	19.1	62.0	64.2	62.0	59.0	61.2
12345678					4	3.5	64.1	21.0	60.6	52.1	61.8	58.3	49.1
12345678S 12345678S					8	5	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	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	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

TIA Cat 6A Perm. Link

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	90 m	498	44	1	3	65.0	19.1	62.0	64.2	62.0	59.0	61.2
12345678					4	3.5	64.1	21.0	60.5	52.1	61.8	58.3	49.1
12345678S 12345678S					8	5	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	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	45.1	16.0	31.1	28.3	42.7	28.6	25.3
					100	18	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
					500	43.8	26.7	8.0	-17.1	10.2	23.8	-20	7.2

TIA TSB155 PL

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	90 m	498	44	1	3	65.0	19.1		64.2	62.0		61.2
12345678					4	3.5	64.1	21.0		52.1	61.8		49.1
					8	5	59.4	21.0		46.1	57.0		43.1
12345678S					10	5.5	57.8	21.0		44.2	55.5		41.2
12345678S					16	7	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	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
					500	47.1	23.4	6.0		10.2	22.5		7.2

TIA 1005 Cat 5e Channel

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
123--6--	i	100 m	555	50	1	3	60.0	17.0	57.0	57.4	57.0	54.0	54.4
123--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
123--6--S					10	7.1	47.0	17.0	39.9	37.4	44.0	36.9	34.4
123--6--S					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	30.1	10.0	6.1	17.4	27.1	3.1	14.4

TIA 1005 Cat 5e Perm. Link

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
123--6--	i	90 m	498	44	1	3	60.0	19.0	57.0	58.6	57.0	54.0	55.6
123--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
123--6--S					10	6.2	48.5	19.0	42.3	38.6	45.5	39.3	35.6
123--6--S					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	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	32.3	12.0	11.3	18.6	29.3	8.3	15.6

TIA 1005 Cat 6 Channel

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
123--6-- 123--6--	i	100 m	555	50	1	3	65.0	19.0	62.0	63.3	62.0	59.0	60.3
					4	4	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
123--6--S 123--6--S					10	6.3	56.6	19.0	50.2	43.3	54.0	47.7	40.3
					16	8	53.2	18.0	45.2	39.2	50.6	42.6	36.2
					20	9	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

TIA 1005 Cat 6 Perm. Link

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
123--6-- 123--6--	i	90 m	498	44	1	3	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	59.4	21.0	54.4	46.1	57.0	52.1	43.1
123--6--S 123--6--S					10	5.5	57.8	21.0	52.3	44.2	55.5	49.9	41.2
					16	7	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	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

TIA 1005 Cat 6A Channel

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678 12345678	i	100 m	555	50	1	3	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
12345678S 12345678S					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
					500	49.3	26.1	6.0	-23.2	9.3	23.2	-26.1	6.3

TIA 1005 Cat 6A Perm. Link

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	90 m	498	44	1	3	65.0	19.1	62.0	64.2	62.0	59.0	61.2
12345678					4	3.5	64.1	21.0	60.5	52.1	61.8	58.3	49.1
					8	5	59.4	21.0	54.4	46.1	57.0	52.1	43.1
12345678S					10	5.5	57.8	21.0	52.3	44.2	55.5	50.0	41.2
12345678S					16	7	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	45.1	16.0	31.1	28.3	42.7	28.6	25.3
					100	18	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
					500	43.8	26.7	8.0	-17.1	10.2	23.8	-20	7.2

TIA Cat 5 Ch (TSB-95)

OBSOLETE STANDARD

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	100 m	555	50	1	3	60.0	15.0	57.0	57.0			54.4
12345678					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
12345678S					10	7.1	44.0	15.0	36.9	37.0			34.4
12345678S					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	27.1	8.0	3.1	17.0			14.4

TIA Cat 5 BL (TSB-95)

OBSOLETE STANDARD

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	94 m	518	45	1	3	60.0	15.0	57.0	57.0			54.4
12345678					4	4	51.8	15.0	47.8	45.0			42.4
					8	5.7	47.1	15.0	41.4	38.9			36.3
12345678S					10	6.4	45.5	15.0	39.1	37.0			34.4
12345678S					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

TIA Cat 5 Ch (TSB-67)

OBSOLETE STANDARD

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	100 m	555	50	1	3	60.3						
12345678					4	4.5	50.6						
					8	6.3	45.6						
12345678S					10	7	44.0						
12345678S					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	27.1						

TIA Cat 5 BL (TSB-67)

OBSOLETE STANDARD

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	94 m	i	50 ns	1	3	61.3						
12345678					4	4	51.8						
					8	5.7	47.1						
12345678S					10	6.3	45.5						
12345678S					16	8.2	42.3						
					20	9.2	40.7						
					25	10.3	39.1						
					31.25	11.5	37.6						
					62.5	16.7	32.7						
					100	21.6	29.3						

ISO Standards

ISO11801 Channel Class C

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	40	i	555	50	1	4.2	39.1	15.0	34.9				
12345678					4	7.6	29.2	15.0	21.6				
					8	10.4	24.3	15.0	13.9				
12345678S					10	11.5	22.7	15.0	11.2				
12345678S					16	14.4	19.4	15.0	5.0				

ISO11801 Channel Class D

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	25	i	555	50	1	4	60.0	17.0	56.0	57.4	57.0	53.0	54.4
12345678					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
12345678S					10	7.2	47.0	17.0	39.8	37.4	44.0	36.8	34.4
12345678S					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	30.1	10.0	6.1	17.4	27.1	3.1	14.4				

ISO11801 Channel Class E

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	25	i	555	50	1	4	65.0	19.0	61.0	63.3	62.0	58.0	60.3
12345678					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
12345678S					10	6.6	56.6	19.0	50.0	43.3	54.0	47.4	40.3
12345678S					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

ISO TR24750 Ch

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	i	555	50	1	4	65.0	19.0	61.0	63.3	62.0	58.0	60.3
12345678					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
12345678S					10	6.6	56.6	19.0	50.0	43.3	54.0	47.4	40.3
12345678S					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
					500	53.4	22.0	6.0	-31.4	9.3	20.4	-33.0	6.3

ISO11801 Channel Class Ea

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	25	i	555	50	1	4	65.0	19.0	61.0	63.3	62.0	58.0	60.3
12345678					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
12345678S					10	6.5	56.6	19.0	50.1	43.3	54.0	47.5	40.3
12345678S					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
					500	49.3	27.9	6.0	-21.4	9.3	24.8	-24.5	6.3

ISO11801 Chan Class Ea Low IL <http://www.flukenetworks.com/knowledge-base?nid=132672&tid=261&query=>

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	25	i	555	50	1	4	65.0	19.0	61.0	63.3	62.0	58.0	60.3
12345678					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
12345678S					10	6.5	56.6	19.0	50.1	43.3	54.0	47.5	40.3
12345678S					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	12	28.7	6.0	16.7	10.2	25.7	13.7	7.2
	500	49.3	26.5	6.0	-22.8	9.3	23.4	-25.9	6.3				

ISO11801 Channel Class F

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	25	i	555	30	1	4	65.0	19.0	61.0	65.0	62.0	58.0	62.0
12345678					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
12345678S					10	6.4	65.0	19.0	58.6	60.8	62.0	55.6	57.8
12345678S					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	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
					600	54.6	51.2	8.0	-3.4	31.3	48.2	-6.4	28.3

ISO11801 Channel Class Fa

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	25	i	555	30	1	4	65.0	19.0	61.0	65.0	62.0	58.0	62.0
12345678					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	65.0	62.0	56.3	62.0
12345678S					10	6.4	65.0	19.0	58.6	65.0	62.0	55.6	62.0
12345678S					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
					600	51.4	52.1	8.0	0.7	31.8	49.1	-2.3	28.8

ISO11801 PL Class C

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	34	i	498	44	1	4	40.1	15.0	36.1				
12345678					4	6.4	30.6	15.0	24.2				
					8	8.8	25.8	15.0	17.0				
12345678S					10	9.8	24.3	15.0	14.5				
12345678S					16	12.2	21.1	15.0	8.8				

ISO11801 PL Class D

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	21	i	498	44	1	4	60.0	19.0	56.0	58.6	57.0	53.0	55.6
12345678					4	4	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
12345678S					10	6.1	48.5	19.0	42.4	38.6	45.5	39.4	35.6
12345678S					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

ISO11801 PL Class E

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	21	i	498	44	1	4	65.0	21.0	61.0	64.2	62.0	58.0	61.2
12345678					4	4	64.1	21.0	60.1	52.1	61.8	57.8	49.1
					8	5	59.4	21.0	54.4	46.1	57.0	52.0	43.1
12345678S					10	5.6	57.8	21.0	52.2	44.2	55.5	49.9	41.2
12345678S					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	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

ISO TR24750 PL

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	i	555	50	1	4	65.0	19.1	61.0	64.2	62.0	58.0	61.2
12345678					4	4	64.1	21.0	60.1	52.1	61.8	57.8	49.1
					8	5	59.4	21.0	54.4	46.1	57.0	52.0	43.1
12345678S					10	5.6	57.8	21.0	52.2	44.2	55.5	49.9	41.2
12345678S					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	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
					500	45.6	23.4	6.0	-22.2	10.2	22.5	-23.1	7.2

ISO11801 PL2 Class Ea (Two Connector Permanent Link)

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	20.6	i	496	43	1	4	65.0	21.0	61.0	65.2	62.0	58.0	62.2
12345678					4	4	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
12345678S					10	5.5	57.8	21.0	52.4	45.2	55.5	50.0	42.2
12345678S					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
					500	41.6	29.2	8.0	-12.4	11.3	26.4	-15.3	8.3

ISO11801 PL2 Class Ea Low IL <http://www.flukenetworks.com/knowledge-base?nid=132672&tid=261&query=>

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	20.6	i	496	43	1	4	65.0	21.0	61.0	65.2	62.0	58.0	62.2
12345678					4	4	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
12345678S					10	5.5	57.8	21.0	52.4	45.2	55.5	50.0	42.2
12345678S					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	12	30.2	8.0	18.2	12.2	27.4	15.4	9.2
	500	41.6	27.8	8.0	-13.8	11.3	25.0	-16.7	8.3				

ISO11801 PL3 Class Ea (Three Connector Permanent Link)

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	21	i	498	44	1	4	65.0	21.0	61.0	64.2	62.0	58.0	61.2
12345678					4	4	64.1	21.0	60.1	52.1	61.8	57.8	49.1
					8	4.9	59.4	21.0	54.4	46.1	57.0	52.1	43.1
12345678S					10	5.5	57.8	21.0	52.3	44.2	55.5	50.0	41.2
12345678S					16	7	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	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
					500	42.1	27.9	8.0	-14.2	10.2	24.8	-17.2	7.2

ISO11801 PL Class F

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	21	i	498	26	1	4	65.0	21.0	61.0	65.0	62.0	58.0	62.0
12345678					4	4	65.0	21.0	61.0	65.0	62.0	58.0	62.0
12345678S					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
12345678S					16	6.9	65.0	20.0	58.1	59.3	62.0	55.1	56.3
12345678S					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
12345678S					250	28.8	60.4	10.0	31.6	39.2	57.4	28.6	36.2
					600	46.6	54.7	10.0	8.1	32.6	51.7	5.1	29.6

ISO11801 PL2 Class Fa (Two Connector Permanent Link)

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	20.6	i	496	25	1	4	65.0	21.0	61.0	65.0	62.0	58.0	62.0
12345678					4	4	65.0	21.0	61.0	65.0	62.0	58.0	62.0
12345678S					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
12345678S					16	6.8	65.0	20.0	58.2	65.0	62.0	55.2	62.0
12345678S					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
12345678S					250	27.4	61.7	10.0	34.4	42.5	58.7	31.4	39.5
					600	43.4	54.7	10.0	11.3	34.9	51.7	8.3	31.9

ISO11801 PL3 Class Fa (Three Connector Permanent Link)

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	21	i	498	26	1	4	65.0	21.0	61.0	65.0	62.0	58.0	62.0
12345678					4	4	65.0	21.0	61.0	65.0	62.0	58.0	62.0
12345678S					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
12345678S					16	6.8	65.0	20.0	58.2	64.7	62.0	55.2	61.7
12345678S					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
12345678S					250	27.7	61.7	10.0	34.0	40.8	58.7	31.0	37.8
					600	43.9	54.7	10.0	10.8	33.2	51.7	7.8	30.2

ISO15018 BCT-B-H Perm. Link DTX-PLA011 or DTX-PLA012 Permanent Link Adapter required

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	21	i	498	26	1	2	65.0	21.0	63.0	65.0	62.0	60.0	62.0
12345678					4	2	65.0	21.0	63.0	65.0	62.0	60.0	62.0
12345678S					8	2.2	65.0	21.0	62.8	64.3	62.0	59.8	61.3
					10	2.5	65.0	21.0	62.5	62.7	62.0	59.5	59.7
12345678S					16	3.2	65.0	20.0	61.8	59.3	62.0	58.8	56.3
12345678S					20	3.5	65.0	19.5	61.5	57.7	62.0	58.5	54.7
					25	4	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
12345678S					250	13.2	60.4	10.0	47.2	39.2	57.4	44.2	36.2
					600	21.4	54.7	10.0	33.3	32.6	51.7	30.3	29.6

ISO15018 BCT-B-L Perm. Link DTX-PLA011 or DTX-PLA012 Permanent Link Adapter required

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	21	i	498	26	1	2	65.0	21.0	63.0	65.0	62.0	60.0	62.0
12345678					4	2	65.0	21.0	63.0	65.0	62.0	60.0	62.0
12345678S					8	2	65.0	21.0	63.0	64.3	62.0	60.0	61.3
					10	2	65.0	21.0	63.0	62.7	62.0	60.0	59.7
12345678S					16	2	65.0	20.0	63.0	59.3	62.0	60.0	56.3
12345678S					20	2	65.0	19.5	63.0	57.7	62.0	60.0	54.7
					25	2	65.0	19.0	63.0	56.1	62.0	60.0	53.1
					31.25	2	65.0	18.5	63.0	54.5	62.0	60.0	51.5
					62.5	2	65.0	16.0	63.0	49.5	62.0	60.0	46.5
					100	2	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
12345678S					250	2.7	60.4	10.0	57.8	39.2	57.4	54.8	36.2
					600	4.3	54.7	10.0	50.4	32.6	51.7	47.4	29.6

ISO15018 BCT-B-M Perm. Link DTX-PLA011 or DTX-PLA012 Permanent Link Adapter required

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	21	i	498	26	1	2	65.0	21.0	63.0	65.0	62.0	60.0	62.0
12345678					4	2	65.0	21.0	63.0	65.0	62.0	60.0	62.0
12345678S					8	2	65.0	21.0	63.0	64.3	62.0	60.0	61.3
					10	2	65.0	21.0	63.0	62.7	62.0	60.0	59.7
12345678S					16	2	65.0	20.0	63.0	59.3	62.0	60.0	56.3
12345678S					20	2	65.0	19.5	63.0	57.7	62.0	60.0	54.7
					25	2	65.0	19.0	63.0	56.1	62.0	60.0	53.1
					31.25	2	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
12345678S					250	6.1	60.4	10.0	54.3	39.2	57.4	51.3	36.2
					600	9.8	54.7	10.0	44.9	32.6	51.7	41.9	29.6

ISO15018 BCT-B-H Channel

DTX-CHA011 or DTX-CHA012 Permanent Link Adapter required

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	25	i	555	26	1	2	65.0	19.0	63.0	65.0	62.0	60.0	62.0
12345678					4	2	65.0	19.0	63.0	65.0	62.0	60.0	62.0
12345678S					8	2.5	65.0	19.0	62.5	62.4	62.0	59.5	59.4
					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	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	
600					23.9	51.2	8.0	27.3	31.3	48.2	24.3	28.3	

ISO15018 BCT-B-L Channel

DTX-CHA011 or DTX-CHA012 Permanent Link Adapter required

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	25	i	555	30	1	2	65.0	19.0	63.0	65.0	62.0	60.0	62.0
12345678					4	2	65.0	19.0	63.0	65.0	62.0	60.0	62.0
12345678S					8	2	65.0	19.0	63.0	62.4	62.0	60.0	59.4
					10	2	65.0	19.0	63.0	60.8	62.0	60.0	57.8
					16	2	65.0	18.0	63.0	57.5	62.0	60.0	54.5
					20	2	65.0	17.5	63.0	55.9	62.0	60.0	52.9
					25	2	65.0	17.0	63.0	54.4	62.0	60.0	51.4
					31.25	2	65.0	16.5	63.0	52.8	62.0	60.0	49.8
					62.5	2	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	
600					6.8	51.2	8.0	44.4	31.3	48.2	41.4	28.3	

ISO15018 BCT-B-M Channel

DTX-CHA011 or DTX-CHA012 Permanent Link Adapter required

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	25	i	555	30	1	2	65.0	19.0	63.0	65.0	62.0	60.0	62.0
12345678					4	2	65.0	19.0	63.0	65.0	62.0	60.0	62.0
12345678S					8	2	65.0	19.0	63.0	62.4	62.0	60.0	59.4
					10	2	65.0	19.0	63.0	60.8	62.0	60.0	57.8
					16	2	65.0	18.0	63.0	57.5	62.0	60.0	54.5
					20	2	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	
600					12.3	51.2	8.0	38.9	31.3	48.2	35.9	28.3	

ISO11801 Cl. Ea Qualification <http://www.flukenetworks.com/knowledge-base?nid=133495&tid=261&query=>

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	25	i	555	50	1	4	65.0	19.0	61.0	63.3	62.0	58.0	60.3
12345678					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
12345678S					10	6.5	56.6	19.0	50.1	43.3	54.0	47.5	40.3
12345678S					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
					500	49.3	27.9	6.0	-21.4	9.3	24.8	-24.5	6.3

ISO11801 Class D (1995)

OBSOLETE STANDARD

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	40	100	1000	50	1	2.5	54.0						
12345678					4	4.8	45.0						
					8	6.7	41.0						
12345678S					10	7.5	39.0						
12345678S					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						

Aus/NZ Standards

Aus/NZ Channel Class C

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	40	i	555	50	1	4.2	39.1	15.0	34.9				
12345678					4	7.6	29.2	15.0	21.6				
					8	10.4	24.3	15.0	13.9				
12345678S					10	11.5	22.7	15.0	11.2				
12345678S					16	14.4	19.4	15.0	5.0				

Aus/NZ Channel Class D

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	25	i	555	50	1	4	60.0	17.0	56.0	57.4	57.0	53.0	54.4
12345678					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
12345678S					10	7.2	47.0	17.0	39.8	37.4	44.0	36.8	34.4
12345678S					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	30.1	10.0	6.1	17.4	27.1	3.1	14.4

Aus/NZ Channel Class E

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	25	i	555	50	1	4	65.0	19.0	61.0	63.3	62.0	58.0	60.3
12345678					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
12345678S					10	6.6	56.6	19.0	50.0	43.3	54.0	47.4	40.3
12345678S					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

Aus/NZ PL max Class C

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	34	i	498	44	1	4	40.1	15.0	36.1				
12345678					4	6.4	30.6	15.0	24.2				
					8	8.8	25.8	15.0	17.0				
12345678S					10	9.8	24.3	15.0	14.5				
12345678S					16	12.2	21.1	15.0	8.8				

Aus/NZ PL max Class D

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	21	i	498	44	1	4	60.0	19.0	56.0	58.6	57.0	53.0	55.6
12345678					4	4	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
12345678S					10	6.1	48.5	19.0	42.4	38.6	45.5	39.4	35.6
12345678S					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

Aus/NZ PL max Class E

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	21	i	498	44	1	4	65.0	21.0	61.0	64.2	62.0	58.0	61.2
12345678					4	4	64.1	21.0	60.1	52.1	61.8	57.8	49.1
					8	5	59.4	21.0	54.4	46.1	57.0	52.0	43.1
12345678S					10	5.6	57.8	21.0	52.2	44.2	55.5	49.9	41.2
12345678S					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	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

Chinese Standards

GB 50312-2007 Cat 3 Ch

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	100	555	50	1	4.2	39.1		34.9				
12345678					4	7.3	29.3		22.0				
					8	10.2	24.3		14.0				
12345678S					10	11.5	22.7		11.2				
12345678S					16	14.9	19.2		4.3				

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Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	100 m	i	50	1	3	60.3						
12345678					4	4.5	50.6						
					8	6.3	45.6						
12345678S					10	7	44.0						
12345678S					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	27.1										

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Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	25	i	555	50	1	4	60.0	17.0	56.0	57.4	57.0	53.0	54.4
12345678					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
12345678S					10	7.2	47.0	17.0	39.8	37.4	44.0	36.8	34.4
12345678S					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	30.1	10.0	6.1	17.4	27.1	3.1	14.4				

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Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	25	i	555	50	1	4	65.0	19.0	61.0	63.3	62.0	58.0	60.3
12345678					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
12345678S					10	6.6	56.6	19.0	50.0	43.3	54.0	47.4	40.3
12345678S					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

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Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	25	i	555	50	1	4	65.0	19.0	61.0	65.0	62.0	58.0	62.0
12345678					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
12345678S					10	6.4	65.0	19.0	58.6	60.8	62.0	55.6	57.8
12345678S					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	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
					600	54.6	51.2	8.0	-3.4	31.3	48.2	-6.4	28.3

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Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	25	i	555	50	1	4	65.0	19.0	61.0	65.0	62.0	58.0	62.0
12345678					4	4.1	65.0	19.0	61.0	65.0	62.0	58.0	62.0
					8	5.7	65.0	19.0	59.4	62.4	62.0	56.4	59.4
12345678S					10	6.4	65.0	19.0	58.7	60.8	62.0	55.7	57.8
12345678S					16	8.1	65.0	18.0	57.1	57.5	62.0	54.1	54.5
					20	9.1	65.0	17.5	56.1	55.9	62.0	53.1	52.9
					25	10.2	65.0	17.0	55.0	54.4	62.0	52.0	51.4
					31.25	11.4	65.0	16.5	53.8	52.8	62.0	50.8	49.8
					62.5	16.3	65.0	14.0	49.1	47.8	62.0	46.1	44.8
					100	20.8	62.9	12.0	44.6	44.4	59.9	41.6	41.4
					200	30	58.3	9.0	32.5	39.4	55.3	29.5	36.4
					250	33.8	56.9	8.0	27.3	37.8	53.9	24.3	34.8
					600	54.6	51.2	8.0	1.1	31.3	48.2	-1.9	28.3

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Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	
12345678	i	94 m	518	i	1	3.2	40.1							
12345678					4	6.1	30.7							
					8	8.8	25.9							
12345678S					10	10	24.3							
12345678S					16	13.2	21.0							

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Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	
12345678	i	94 m	i	50	1	3	60.0							
12345678					4	4	51.8							
					8	5.7	47.1							
12345678S					10	6.4	45.5							
12345678S					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							

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Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	21	i	498	44	1	4	60.0	19.0	56.0	58.6	57.0	53.0	55.6
12345678					4	4	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
12345678S					10	6.1	48.5	19.0	42.4	38.6	45.5	39.4	35.6
12345678S					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

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Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	21	i	498	44	1	4	65.0	21.0	61.0	64.2	62.0	58.0	61.2
12345678					4	4	64.1	21.0	60.1	52.1	61.8	57.8	49.1
					8	5	59.4	21.0	54.4	46.1	57.0	52.0	43.1
12345678S					10	5.6	57.8	21.0	52.2	44.2	55.5	49.9	41.2
12345678S					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	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

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Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	21	i	498	44	1	4	65.0	21.0	61.0	65.0	62.0	58.0	62.0
12345678					4	4	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
12345678S					10	5.5	65.0	21.0	59.5	62.7	62.0	56.5	59.7
12345678S					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
					600	46.6	54.7	10.0	8.1	32.6	51.7	5.1	29.6

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Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	21	i	498	44	1	4	65.0	21.0	61.0	65.0	62.0	58.0	62.0
12345678					4	4	65.0	21.0	61.0	65.0	62.0	58.0	62.0
					8	4.9	65.0	21.0	60.2	64.3	62.0	57.2	61.3
12345678S					10	5.5	65.0	21.0	59.6	62.7	62.0	56.6	59.7
12345678S					16	6.9	65.0	20.0	58.2	59.3	62.0	55.2	56.3
					20	7.7	65.0	19.5	57.4	57.7	62.0	54.4	54.7
					25	8.7	65.0	19.0	56.4	56.1	62.0	53.4	53.1
					31.25	9.7	65.0	18.5	55.4	54.5	62.0	52.4	51.5
					62.5	13.9	65.0	16.0	51.3	49.5	62.0	48.3	46.5
					100	17.7	65.0	14.0	47.5	46.0	62.0	44.5	43.0
					200	25.6	61.9	11.0	36.6	40.9	58.9	33.6	37.9
					250	28.8	60.4	10.0	31.9	39.2	57.4	28.9	36.2
					600	46.6	54.7	10.0	8.6	32.6	51.7	5.6	29.6

EN (European) Standards

EN50173 Channel Class C

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	40	i	555	50	1	4.2	39.1	15.0	34.9				
12345678					4	7.6	29.2	15.0	21.6				
					8	10.4	24.3	15.0	13.9				
12345678S					10	11.5	22.7	15.0	11.2				
12345678S					16	14.4	19.4	15.0	5.0				

EN50173 Channel Class D

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	25	i	555	50	1	4	60.0	17.0	56.0	57.4	57.0	53.0	54.4
12345678					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
12345678S					10	7.2	47.0	17.0	39.8	37.4	44.0	36.8	34.4
12345678S					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	30.1	10.0	6.1	17.4	27.1	3.1	14.4				

EN50173 Channel Class E

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	25	i	555	50	1	4	65.0	19.0	61.0	63.3	62.0	58.0	60.3
12345678					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
12345678S					10	6.6	56.6	19.0	50.0	43.3	54.0	47.4	40.3
12345678S					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

EN50173 Channel Class Ea

DRAFT STANDARD - For Verification Purposes ONLY

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	25	i	555	50	1	4	65.0	19.0	61.0	63.3	62.0	58.0	60.3
12345678					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
12345678S					10	6.5	56.6	19.0	50.1	43.3	54.0	47.5	40.3
12345678S					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
					500	49.3	27.9	6.0	-21.4	9.3	24.8	-24.5	6.3

EN50173 Channel Class F

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	25	i	555	30	1	4	65.0	19.0	61.0	65.0	62.0	58.0	62.0
12345678					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
12345678S					10	6.4	65.0	19.0	58.6	60.8	62.0	55.6	57.8
12345678S					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	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
					600	54.6	51.2	8.0	-3.4	31.3	48.2	-6.4	28.3

EN50173 Channel Class Fa

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	25	i	555	30	1	4	65.0	19.0	61.0	65.0	62.0	58.0	62.0
12345678					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	65.0	62.0	56.3	62.0
12345678S					10	6.4	65.0	19.0	58.6	65.0	62.0	55.6	62.0
12345678S					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
					600	51.4	52.1	8.0	0.7	31.8	49.1	-2.3	28.8

EN50173 PL Class C

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	34	i	498	44	1	4	40.1	15.0	36.1				
12345678					4	6.4	30.6	15.0	24.2				
					8	8.8	25.8	15.0	17.0				
12345678S					10	9.8	24.3	15.0	14.5				
12345678S					16	12.2	21.1	15.0	8.8				

EN50173 PL Class D

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	21	i	498	44	1	4	60.0	19.0	56.0	58.6	57.0	53.0	55.6
12345678					4	4	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
12345678S					10	6.1	48.5	19.0	42.4	38.6	45.5	39.4	35.6
12345678S					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				

EN50173 PL Class E

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	21	i	498	44	1	4	65.0	21.0	61.0	64.2	62.0	58.0	61.2
12345678					4	4	64.1	21.0	60.1	52.1	61.8	57.8	49.1
					8	5	59.4	21.0	54.4	46.1	57.0	52.0	43.1
12345678S					10	5.6	57.8	21.0	52.2	44.2	55.5	49.9	41.2
12345678S					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	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

EN50173 PL2 Class Ea (Two Connector Permanent Link)

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	20.6	i	496	43	1	4	65.0	21.0	61.0	65.2	62.0	58.0	62.2
12345678					4	4	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
12345678S					10	5.5	57.8	21.0	52.4	45.2	55.5	50.0	42.2
12345678S					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
					500	41.6	29.3	8.0	-12.4	11.3	26.4	-15.3	8.3

EN50173 PL3 Class Ea (Three Connector Permanent Link)

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	21	i	498	44	1	4	65.0	21.0	61.0	64.2	62.0	58.0	61.2
12345678					4	4	64.1	21.0	60.1	52.1	61.8	57.8	49.1
					8	4.9	59.4	21.0	54.4	46.1	57.0	52.1	43.1
12345678S					10	5.5	57.8	21.0	52.3	44.2	55.5	50.0	41.2
12345678S					16	7	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	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
					500	42.1	27.9	8.0	-14.2	10.2	24.8	-17.2	7.2

EN50173 PL Class F

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	21	i	498	26	1	4	65.0	21.0	61.0	65.0	62.0	58.0	62.0
12345678					4	4	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
12345678S					10	5.5	65.0	21.0	59.5	62.7	62.0	56.5	59.7
12345678S					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
					600	46.6	54.7	10.0	8.1	32.6	51.7	5.1	29.6

EN50173 PL2 Class Fa (Two Connector Permanent Link)

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	20.6	i	496	25	1	4	65.0	21.0	61.0	65.0	62.0	58.0	62.0
12345678					4	4	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
12345678S					10	5.4	65.0	21.0	59.6	65.0	62.0	56.6	62.0
12345678S					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
					600	43.4	54.7	10.0	11.3	34.9	51.7	8.3	31.9

EN50173 PL3 Class Fa (Three Connector Permanent Link)

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	21	i	498	26	1	4	65.0	21.0	61.0	65.0	62.0	58.0	62.0
12345678					4	4	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
12345678S					10	5.4	65.0	21.0	59.6	65.0	62.0	56.6	62.0
12345678S					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	39.9	42.8	60.5	36.9	39.8
					250	27.7	61.7	10.0	35.1	40.8	58.7	32.1	37.8
					600	43.9	54.7	10.0	12.2	33.2	51.7	9.2	30.2

Japanese (JIS) Standards

JIS X5150:2004 Cl. D Channel

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	25	i	555	50	1	4	60.0	17.0	56.0	57.4	57.0	53.0	54.4
12345678					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
12345678S					10	7.2	47.0	17.0	39.8	37.4	44.0	36.8	34.4
12345678S					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	30.1	10.0	6.1	17.4	27.1	3.1	14.4

JIS X5150:2004 Cl. E Channel

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	25	i	555	50	1	4	65.0	19.0	61.0	63.3	62.0	58.0	60.3
12345678					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
12345678S					10	6.6	56.6	19.0	50.0	43.3	54.0	47.4	40.3
12345678S					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

JIS X5150:2004 Cl. F Channel

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	25	i	555	30	1	4	65.0	19.0	61.0	65.0	62.0	58.0	62.0
12345678					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
12345678S					10	6.4	65.0	19.0	58.6	60.8	62.0	55.6	57.8
12345678S					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	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
					600	54.6	51.2	8.0	-3.4	31.3	48.2	-6.4	28.3

JIS X5150:2004 CI. D PL

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	21	i	498	44	1	4	60.0	19.0	56.0	58.6	57.0	53.0	55.6
12345678					4	4	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
12345678S					10	6.1	48.5	19.0	42.4	38.6	45.5	39.4	35.6
12345678S					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

JIS X5150:2004 CI. E PL

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	21	i	498	44	1	4	65.0	21.0	61.0	64.2	62.0	58.0	61.2
12345678					4	4	64.1	21.0	60.1	52.1	61.8	57.8	49.1
					8	5	59.4	21.0	54.4	46.1	57.0	52.0	43.1
12345678S					10	5.6	57.8	21.0	52.2	44.2	55.5	49.9	41.2
12345678S					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	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				

JIS X5150:2004 CI. F PL

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	21	i	498	26	1	4	65.0	21.0	61.0	65.0	62.0	58.0	62.0
12345678					4	4	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
12345678S					10	5.5	65.0	21.0	59.5	62.7	62.0	56.5	59.7
12345678S					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				
	600	46.6	54.7	10.0	8.1	32.6	51.7	5.1	29.6				

Korean Standards

Korean Cat 3 Channel

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	
12345678	40	100 m	555	50	1	4.2	39.1							
12345678					4	7.3	29.3							
					8	10.2	24.3							
12345678S					10	11.5	22.7							
12345678S					16	14.9	19.2							

Korean Cat 5e Channel

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	25	96 m	555	50	1	2.2	60.0	17.0		57.4	57.0		54.4
12345678					4	4.5	53.5	17.0		45.4	50.5		42.4
					8	6.3	48.6	17.0		39.3	45.6		36.3
12345678S					10	7.1	47.0	17.0		37.4	44.0		34.4
12345678S					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	30.1	10.0		17.4	27.1		14.4				

Korean Cat 6 Channel

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	96 m	555	50	1	3	65.0	19.0	62.0	63.3	62.0	59.0	60.3
12345678					4	4	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
12345678S					10	6.3	56.6	19.0	50.2	43.3	54.0	47.7	40.3
12345678S					16	8	53.2	18.0	45.2	39.2	50.6	42.6	36.2
					20	9	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

Russian Standards

GOST R 53245-2008 Chan Cat5e

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	100 m	555	50	1	3	60.0	17.0	57.0	57.4	57.0	54.0	54.4
12345678					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
12345678S					10	7.1	47.0	17.0	39.9	37.4	44.0	36.9	34.4
12345678S					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	30.1	10.0	6.1	17.4	27.1	3.1	14.4

GOST R 53245-2008 Chan Cat6

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	100	555	50	1	3	65.0	19.0	62.0	63.3	62.0	59.0	60.3
12345678					4	4	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
12345678S					10	6.3	56.6	19.0	50.2	43.3	54.0	47.7	40.3
12345678S					16	8	53.2	18.0	45.2	39.2	50.6	42.6	36.2
					20	9	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

GOST R 53245-2008 PL Cat 5e

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	90 m	498	44	1	3	60.0	19.0	57.0	58.6	57.0	54.0	55.6
12345678					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
12345678S					10	6.2	48.5	19.0	42.3	38.6	45.5	39.3	35.6
12345678S					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	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	32.3	12.0	11.3	18.6	29.3	8.3	15.6

GOST R 53245-2008 PL Cat 6

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	90 m	498	44	1	3	65.0	19.1	62.0	64.2	62.0	59.0	61.2
12345678					4	3.5	64.1	21.0	60.6	52.1	61.8	58.3	49.1
					8	5	59.4	21.0	54.4	46.1	57.0	52.1	43.1
12345678S					10	5.5	57.8	21.0	52.3	44.2	55.5	49.9	41.2
12345678S					16	7	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	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

Taiwan Standards

EL-3600-6 Cat 5e Channel

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	100 m	555	50	1	3	60.0	17.0	57.0	57.4	57.0	54.0	54.4
12345678					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
12345678S					10	7.1	47.0	17.0	39.9	37.4	44.0	36.9	34.4
12345678S					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	30.1	10.0	6.1	17.4	27.1	3.1	14.4

EL-3600-6 Cat 6 Channel

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	100	555	50	1	3	65.0	19.0	62.0	63.3	62.0	59.0	60.3
12345678					4	4	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
12345678S					10	6.3	56.6	19.0	50.2	43.3	54.0	47.7	40.3
12345678S					16	8	53.2	18.0	45.2	39.2	50.6	42.6	36.2
					20	9	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

EL-3600-6 Cat 5e Perm. Link

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	90 m	498	44	1	3	60.0	19.0	57.0	58.6	57.0	54.0	55.6
12345678					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
12345678S					10	6.2	48.5	19.0	42.3	38.6	45.5	39.3	35.6
12345678S					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	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	32.3	12.0	11.3	18.6	29.3	8.3	15.6

EL-3600-6 Cat 6 Perm. Link

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	90 m	498	44	1	3	65.0	19.1	62.0	64.2	62.0	59.0	61.2
12345678					4	3.5	64.1	21.0	60.6	52.1	61.8	58.3	49.1
					8	5	59.4	21.0	54.4	46.1	57.0	52.1	43.1
12345678S					10	5.5	57.8	21.0	52.3	44.2	55.5	49.9	41.2
12345678S					16	7	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	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

Patch Cord Standards

ISO - ISO/IEC 11801:2010, Amendment 2
TIA - ANSI/TIA-568-C.2

You must replace the Category 6 jack with a Category 5e jack to certify Category 5e patch cords.

M12 Patch Cord Cat5e 0.5m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
123 6	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
123 6	i	i	i	i	1		65.0	19.8					
					4		65.0	21.6					
123 6 S					8		62.3	22.5					
123 6 S					10		60.3	22.8					
					16		56.3	23.4					
123 6					20		54.4	23.7					
361 2					25		52.5	24.0					
					31.25		50.6	23.0					
123 6 S					62.5		44.7	20.0					
361 2 S					100		40.7	18.0					

M12 Patch Cord Cat5e 1.0m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
123 6	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
123 6	i	i	i	i	1		65.0	19.8					
					4		65.0	21.6					
123 6 S					8		61.6	22.5					
123 6 S					10		59.7	22.8					
					16		55.7	23.4					
123 6					20		53.8	23.7					
361 2					25		51.9	24.0					
					31.25		50.0	23.0					
123 6 S					62.5		44.1	20.0					
361 2 S					100		40.1	18.0					

M12 Patch Cord Cat5e 1.5m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
123 6	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
123 6	i	i	i	i	1		65.0	19.8					
					4		65.0	21.6					
123 6 S					8		61.1	22.5					
123 6 S					10		59.2	22.8					
					16		55.1	23.4					
123 6					20		53.2	23.7					
361 2					25		51.3	24.0					
					31.25		49.4	23.0					
123 6 S					62.5		43.6	20.0					
361 2 S					100		39.7	18.0					

M12 Patch Cord Cat5e 2.0m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
123 6	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
123 6	i	i	i	i	1		65.0	19.8					
					4		65.0	21.6					
123 6 S					8		60.6	22.5					
123 6 S					10		58.7	22.8					
					16		54.7	23.4					
123 6					20		52.8	23.7					
361 2					25		50.9	24.0					
					31.25		49.0	23.0					
123 6 S					62.5		43.2	20.0					
361 2 S					100		39.3	18.0					

M12 Patch Cord Cat5e 2.5m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
123 6	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
123 6	i	i	i	i	1		65.0	19.8					
					4		65.0	21.6					
123 6 S					8		60.2	22.5					
123 6 S					10		58.3	22.8					
					16		54.3	23.4					
123 6					20		52.4	23.7					
361 2					25		50.5	24.0					
					31.25		48.6	23.0					
123 6 S					62.5		42.8	20.0					
361 2 S					100		38.9	18.0					

M12 Patch Cord Cat5e 3.0m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
123 6	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
123 6	i	i	i	i	1		65.0	19.8					
					4		65.0	21.6					
123 6 S					8		59.8	22.5					
123 6 S					10		57.9	22.8					
					16		53.9	23.4					
123 6					20		52.0	23.7					
361 2					25		50.1	24.0					
					31.25		48.2	23.0					
123 6 S					62.5		42.5	20.0					
361 2 S					100		38.6	18.0					

M12 Patch Cord Cat5e 3.5m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
123 6	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
123 6	i	i	i	i	1		65.0	19.8					
					4		65.0	21.6					
123 6 S					8		59.4	22.5					
123 6 S					10		57.5	22.8					
					16		53.6	23.4					
123 6					20		51.7	23.7					
361 2					25		49.8	24.0					
					31.25		47.9	23.0					
123 6 S					62.5		42.2	20.0					
361 2 S					100		38.4	18.0					

M12 Patch Cord Cat5e 4.0m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
123 6	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
123 6	i	i	i	i	1		65.0	19.8					
					4		65.0	21.6					
123 6 S					8		59.1	22.5					
123 6 S					10		57.2	22.8					
					16		53.3	23.4					
123 6					20		51.4	23.7					
361 2					25		49.5	24.0					
					31.25		47.7	23.0					
123 6 S					62.5		41.9	20.0					
361 2 S					100		38.1	18.0					

M12 Patch Cord Cat5e 5.0m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
123 6	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
123 6	i	i	i	i	1		65.0	19.8					
					4		64.4	21.6					
123 6 S					8		58.6	22.5					
123 6 S					10		56.7	22.8					
					16		52.7	23.4					
123 6					20		50.9	23.7					
361 2					25		49.0	24.0					
					31.25		47.2	23.0					
123 6 S					62.5		41.5	20.0					
361 2 S					100		37.8	18.0					

M12 Patch Cord Cat5e 7.5m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
123 6	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
123 6	i	i	i	i	1		65.0	19.8					
					4		63.3	21.6					
123 6 S					8		57.5	22.5					
123 6 S					10		55.6	22.8					
					16		51.7	23.4					
123 6					20		49.9	23.7					
361 2					25		48.0	24.0					
					31.25		46.2	23.0					
123 6 S					62.5		40.7	20.0					
361 2 S					100		37.1	18.0					

M12 Patch Cord Cat5e 10.0m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
123 6	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
123 6	i	i	i	i	1		65.0	19.8					
					4		62.4	21.6					
123 6 S					8		56.7	22.5					
123 6 S					10		54.8	22.8					
					16		51.0	23.4					
123 6					20		49.1	23.7					
361 2					25		47.4	24.0					
					31.25		45.6	23.0					
123 6 S					62.5		40.2	20.0					
361 2 S					100		36.6	18.0					

M12 Patch Cord Cat5e 15.0m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
123 6	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
123 6	i	i	i	i	1		65.0	19.8					
					4		61.2	21.6					
123 6 S					8		55.5	22.5					
123 6 S					10		53.7	22.8					
					16		49.9	23.4					
123 6					20		48.2	23.7					
361 2					25		46.4	24.0					
					31.25		44.7	23.0					
123 6 S					62.5		39.5	20.0					
361 2 S					100		36.1	18.0					

M12 Patch Cord Cat5e 20.0m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
123 6	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
123 6	i	i	i	i	1		65.0	19.8					
					4		60.3	21.6					
123 6 S					8		54.7	22.5					
123 6 S					10		53.0	22.8					
					16		49.3	23.4					
123 6					20		47.6	23.7					
361 2					25		45.9	24.0					
					31.25		44.2	23.0					
123 6 S					62.5		39.2	20.0					
361 2 S					100		35.9	18.0					

M12 Patch Cord Cat5e >20.0m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
123 6	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
123 6	i	i	i	i	1		65.0	19.8					
					4		57.0	21.6					
123 6 S					8		52.1	22.5					
123 6 S					10		50.6	22.8					
					16		47.5	23.4					
123 6					20		46.0	23.7					
361 2					25		44.6	24.0					
					31.25		43.1	23.0					
123 6 S					62.5		38.7	20.0					
361 2 S					100		35.8	18.0					

TIA Patch Cord Cat5e 0.5m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	i	i	i	1		65.0	19.8					
12345678					4		65.0	21.6					
					8		62.3	22.5					
12345678S					10		60.3	22.8					
12345678S					16		56.3	23.4					
					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					

TIA Patch Cord Cat5e 1.0m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	i	i	i	1		65.0	19.8					
12345678					4		65.0	21.6					
					8		61.6	22.5					
12345678S					10		59.7	22.8					
12345678S					16		55.7	23.4					
					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					

TIA Patch Cord Cat5e 1.5m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	i	i	i	1		65.0	19.8					
12345678					4		65.0	21.6					
					8		61.1	22.5					
12345678S					10		59.2	22.8					
12345678S					16		55.1	23.4					
					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					

TIA Patch Cord Cat5e 2.0m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	i	i	i	1		65.0	19.8					
12345678					4		65.0	21.6					
					8		60.6	22.5					
12345678S					10		58.7	22.8					
12345678S					16		54.7	23.4					
					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					

TIA Patch Cord Cat5e 2.5m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	i	i	i	1		65.0	19.8					
12345678					4		65.0	21.6					
					8		60.2	22.5					
12345678S					10		58.3	22.8					
12345678S					16		54.3	23.4					
					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					

TIA Patch Cord Cat5e 3.0m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	i	i	i	1		65.0	19.8					
12345678					4		65.0	21.6					
					8		59.8	22.5					
12345678S					10		57.9	22.8					
12345678S					16		53.9	23.4					
					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					

TIA Patch Cord Cat5e 3.5m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	i	i	i	1		65.0	19.8					
12345678					4		65.0	21.6					
					8		59.4	22.5					
12345678S					10		57.5	22.8					
12345678S					16		53.6	23.4					
					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					

TIA Patch Cord Cat5e 4.0m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	i	i	i	1		65.0	19.8					
12345678					4		65.0	21.6					
					8		59.1	22.5					
12345678S					10		57.2	22.8					
12345678S					16		53.3	23.4					
					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					

TIA Patch Cord Cat5e 5.0m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	i	i	i	1		65.0	19.8					
12345678					4		64.4	21.6					
					8		58.6	22.5					
12345678S					10		56.7	22.8					
12345678S					16		52.7	23.4					
					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					

TIA Patch Cord Cat5e 7.5m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	i	i	i	1		65.0	19.8					
12345678					4		63.3	21.6					
					8		57.5	22.5					
12345678S					10		55.6	22.8					
12345678S					16		51.7	23.4					
					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					

TIA Patch Cord Cat5e 10.0m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	i	i	i	1		65.0	19.8					
12345678					4		62.4	21.6					
					8		56.7	22.5					
12345678S					10		54.8	22.8					
12345678S					16		51.0	23.4					
					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					

TIA Patch Cord Cat5e 15.0m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	i	i	i	1		65.0	19.8					
12345678					4		61.2	21.6					
					8		55.5	22.5					
12345678S					10		53.7	22.8					
12345678S					16		49.9	23.4					
					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					

TIA Patch Cord Cat5e 20.0m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	i	i	i	1		65.0	19.8					
12345678					4		60.3	21.6					
					8		54.7	22.5					
12345678S					10		53.0	22.8					
12345678S					16		49.3	23.4					
					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					

TIA Patch Cord Cat5e > 20.0m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	i	i	i	1		65.0	19.8					
12345678					4		57.0	21.6					
					8		52.1	22.5					
12345678S					10		50.6	22.8					
12345678S					16		47.5	23.4					
					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					

ISO Patch Cord Cat5e 0.5m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	i	i	i	1		65.0						
12345678					4		65.0	21.6					
					8		62.1	22.5					
12345678S					10		60.2	22.8					
12345678S					16		56.2	23.4					
					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					

ISO Patch Cord Cat5e 1.0m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	i	i	i	1		65.0						
12345678					4		65.0	21.6					
					8		61.3	22.5					
12345678S					10		59.4	22.8					
12345678S					16		55.4	23.4					
					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					

ISO Patch Cord Cat5e 1.5m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	i	i	i	1		65.0						
12345678					4		65.0	21.6					
					8		60.7	22.5					
12345678S					10		58.8	22.8					
12345678S					16		54.8	23.4					
					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					

ISO Patch Cord Cat5e 2.0m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	i	i	i	1		65.0						
12345678					4		65.0	21.6					
					8		60.2	22.5					
12345678S					10		58.3	22.8					
12345678S					16		54.3	23.4					
					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					

ISO Patch Cord Cat5e 2.5m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	i	i	i	1		65.0						
12345678					4		65.0	21.6					
					8		59.7	22.5					
12345678S					10		57.8	22.8					
12345678S					16		53.8	23.4					
					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					

ISO Patch Cord Cat5e 3.0m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	i	i	i	1		65.0						
12345678					4		65.0	21.6					
					8		59.3	22.5					
12345678S					10		57.4	22.8					
12345678S					16		53.4	23.4					
					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					

ISO Patch Cord Cat5e 3.5m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	i	i	i	1		65.0						
12345678					4		64.6	21.6					
					8		58.9	22.5					
12345678S					10		57.0	22.8					
12345678S					16		53.1	23.4					
					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					

ISO Patch Cord Cat5e 4.0m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	i	i	i	1		65.0						
12345678					4		64.3	21.6					
					8		58.5	22.5					
12345678S					10		56.7	22.8					
12345678S					16		52.8	23.4					
					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					

ISO Patch Cord Cat5e 5.0m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	i	i	i	1		65.0						
12345678					4		63.7	21.6					
					8		58.0	22.5					
12345678S					10		56.1	22.8					
12345678S					16		52.2	23.4					
					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					

ISO Patch Cord Cat5e 7.5m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	i	i	i	1		65.0						
12345678					4		62.4	21.6					
					8		56.8	22.5					
12345678S					10		55.0	22.8					
12345678S					16		51.2	23.4					
					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					

ISO Patch Cord Cat5e 10.0m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	i	i	i	1		65.0						
12345678					4		61.6	21.6					
					8		56.0	22.5					
12345678S					10		54.2	22.8					
12345678S					16		50.4	23.4					
					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					

ISO Patch Cord Cat5e 15.0m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	i	i	i	1		65.0						
12345678					4		60.3	21.6					
					8		54.9	22.5					
12345678S					10		53.1	22.8					
12345678S					16		49.5	23.4					
					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					

ISO Patch Cord Cat5e 20.0m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	i	i	i	1		65.0						
12345678					4		59.5	21.6					
					8		54.1	22.5					
12345678S					10		52.4	22.8					
12345678S					16		48.8	23.4					
					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					

TIA Patch Cord Cat6 0.5m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	i	i	i	1		65.0	19.8					
12345678					4		65.0	21.6					
					8		65.0	22.5					
12345678S					10		65.0	22.8					
12345678S					16		63.0	23.4					
					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					

TIA Patch Cord Cat6 1.0m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	i	i	i	1		65.0	19.8					
12345678					4		65.0	21.6					
					8		65.0	22.5					
12345678S					10		65.0	22.8					
12345678S					16		62.6	23.4					
					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					

TIA Patch Cord Cat6 1.5m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	i	i	i	1		65.0	19.8					
12345678					4		65.0	21.6					
					8		65.0	22.5					
12345678S					10		65.0	22.8					
12345678S					16		62.3	23.4					
					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					

TIA Patch Cord Cat6 2.0m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	i	i	i	1		65.0	19.8					
12345678					4		65.0	21.6					
					8		65.0	22.5					
12345678S					10		65.0	22.8					
12345678S					16		62.0	23.4					
					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					

TIA Patch Cord Cat6 2.5m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	i	i	i	1		65.0	19.8					
12345678					4		65.0	21.6					
					8		65.0	22.5					
12345678S					10		65.0	22.8					
12345678S					16		61.7	23.4					
					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					

TIA Patch Cord Cat6 3.0m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	i	i	i	1		65.0	19.8					
12345678					4		65.0	21.6					
					8		65.0	22.5					
12345678S					10		65.0	22.8					
12345678S					16		61.4	23.4					
					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					

TIA Patch Cord Cat6 4.0m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	i	i	i	1		65.0	19.8					
12345678					4		65.0	21.6					
					8		65.0	22.5					
12345678S					10		64.9	22.8					
12345678S					16		60.9	23.4					
					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					

TIA Patch Cord Cat6 5.0m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	i	i	i	1		65.0	19.8					
12345678					4		65.0	21.6					
					8		65.0	22.5					
12345678S					10		64.5	22.8					
12345678S					16		60.5	23.4					
					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					

TIA Patch Cord Cat6 7.5m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	i	i	i	1		65.0	19.8					
12345678					4		65.0	21.6					
					8		65.0	22.5					
12345678S					10		63.6	22.8					
12345678S					16		59.7	23.4					
					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					

TIA Patch Cord Cat6 10.0m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	i	i	i	1		65.0	19.8					
12345678					4		65.0	21.6					
					8		64.8	22.5					
12345678S					10		62.9	22.8					
12345678S					16		59.0	23.4					
					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					

TIA Patch Cord Cat6 15.0m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	i	i	i	1		65.0	19.8					
12345678					4		65.0	21.6					
					8		63.8	22.5					
12345678S					10		61.9	22.8					
12345678S					16		58.1	23.4					
					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					

TIA Patch Cord Cat6 20.0m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	i	i	i	1		65.0	19.8					
12345678					4		65.0	21.6					
					8		63.1	22.5					
12345678S					10		61.3	22.8					
12345678S					16		57.5	23.4					
					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					

ISO Patch Cord Cat6 0.5m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	i	i	i	1		65.0						
12345678					4		65.0	21.6					
					8		65.0	22.5					
12345678S					10		65.0	22.8					
12345678S					16		62.9	23.4					
					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					

ISO Patch Cord Cat6 1.0m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	i	i	i	1		65.0						
12345678					4		65.0	21.6					
					8		65.0	22.5					
12345678S					10		65.0	22.8					
12345678S					16		62.4	23.4					
					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					

ISO Patch Cord Cat6 1.5m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	i	i	i	1		65.0						
12345678					4		65.0	21.6					
					8		65.0	22.5					
12345678S					10		65.0	22.8					
12345678S					16		62.0	23.4					
					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					

ISO Patch Cord Cat6 2.0m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	i	i	i	1		65.0						
12345678					4		65.0	21.6					
					8		65.0	22.5					
12345678S					10		65.0	22.8					
12345678S					16		61.6	23.4					
					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					

ISO Patch Cord Cat6 2.5m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	i	i	i	1		65.0						
12345678					4		65.0	21.6					
					8		65.0	22.5					
12345678S					10		65.0	22.8					
12345678S					16		61.3	23.4					
					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					

ISO Patch Cord Cat6 3.0m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	i	i	i	1		65.0						
12345678					4		65.0	21.6					
					8		65.0	22.5					
12345678S					10		65.0	22.8					
12345678S					16		61.0	23.4					
					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					

ISO Patch Cord Cat6 3.5m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	i	i	i	1		65.0						
12345678					4		65.0	21.6					
					8		65.0	22.5					
12345678S					10		64.7	22.8					
12345678S					16		60.7	23.4					
					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					

ISO Patch Cord Cat6 4.0m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	i	i	i	1		65.0						
12345678					4		65.0	21.6					
					8		65.0	22.5					
12345678S					10		64.4	22.8					
12345678S					16		60.5	23.4					
					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					

ISO Patch Cord Cat6 5.0m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	i	i	i	1		65.0						
12345678					4		65.0	21.6					
					8		65.0	22.5					
12345678S					10		63.9	22.8					
12345678S					16		60.0	23.4					
					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					

ISO Patch Cord Cat6 7.5m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	i	i	i	1		65.0						
12345678					4		65.0	21.6					
					8		64.8	22.5					
12345678S					10		63.0	22.8					
12345678S					16		59.2	23.4					
					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					

ISO Patch Cord Cat6 10.0m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	i	i	i	1		65.0						
12345678					4		65.0	21.6					
					8		64.1	22.5					
12345678S					10		62.3	22.8					
12345678S					16		58.5	23.4					
					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					

ISO Patch Cord Cat6 15.0m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	i	i	i	1		65.0						
12345678					4		65.0	21.6					
					8		63.1	22.5					
12345678S					10		61.3	22.8					
12345678S					16		57.6	23.4					
					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					

ISO Patch Cord Cat6 20.0m

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	i	i	i	1		65.0						
12345678					4		65.0	21.6					
					8		62.4	22.5					
12345678S					10		60.7	22.8					
12345678S					16		57.1	23.4					
					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					

Application Standards

10BASE-T

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
123--6-- 123--6--	i	100 m	i	i									
					8	11.5	27.5						
123--6--S 123--6--S					10	11.5	26.0						

100BASE-TX

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
123--6-- 123--6--	i	100 m	570	50	1	2.5	60.7	15.0					
					4	4.5	50.6	15.0					
					8	6.4	45.5	15.0					
123--6--S 123--6--S					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	35.6	13.1					
					62.5	18.7	30.5	10.1					
					100	24	27.1	8.0					

1000BASE-T

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678 12345678	i	100 m	570	50	1	2.5	60.7	15.0		57.0			54.4
					4	4.5	50.6	15.0		45.0			42.4
					8	6.4	45.5	15.0		38.9			36.3
12345678S 12345678S					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	35.6	13.1		27.1			24.5
					62.5	18.7	30.5	10.1		21.1			18.5
					100	24	27.1	8.0		17.0			14.4

10GBASE-T

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	100 m	555	50	1	4	65.0	19.0		63.3	62.0		60.3
12345678					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
12345678S					10	6.6	56.6	19.0		43.3	54.0		40.3
12345678S					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
					500	53.4	22.0	6.0		9.3	20.4		6.3

CATV Broadband

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	
12345678	i	90 m	498	44	1	3	i	i	i	i	i	i	i	
12345678					4	4	i	i	i	i	i	i	i	i
					8	5.7	i	i	i	i	i	i	i	i
12345678S					10	6.3	i	i	i	i	i	i	i	i
12345678S					16	8	i	i	i	i	i	i	i	i
					20	9	i	i	i	i	i	i	i	i
					25	10.1	i	i	i	i	i	i	i	i
					31.25	11.4	i	i	i	i	i	i	i	i
					62.5	16.5	i	i	i	i	i	i	i	i
					100	21.3	i	i	i	i	i	i	i	i
					200	31.5	i	i	i	i	i	i	i	i
					250	35.9	i	i	i	i	i	i	i	i
					600	55	i	i	i	i	i	i	i	i
					700	55	i	i	i	i	i	i	i	i
					800	55	i	i	i	i	i	i	i	i
	865	55												

Cat6 Selftest

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	2	i	10	3	1	1	65.0	19.0		65.0			
12345678					4	1	64.0	19.0		65.0			
					8	1	57.9	19.0		63.9			
12345678S					10	1	56.0	19.0		62.0			
12345678S					16	1	51.9	19.0		57.9			
					20	1	50.0	19.0		56.0			
					25	1	48.0	19.0		54.0			
					31.25	1	46.1	17.8		52.1			
					62.5	1	40.1	14.2		46.1			
					100	1	36.0	11.8		42.0			
					200	1	27.0	8.2		36.0			
					250	1	24.1	7.0		34.0			

Class F Selftest

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	2	i	10	3	1	1	75.0	20.0		75.0			
12345678					4	1	75.0	20.0		75.0			
					8	1	75.0	20.0		74.5			
12345678S					10	1	75.0	20.0		73.0			
12345678S					16	1	75.0	20.0		69.9			
					20	1	75.0	20.0		68.5			
					25	1	75.0	20.0		67.0			
					31.25	1	75.0	18.9		65.6			
					62.5	1	70.5	15.6		61.1			
					100	1	66.0	13.4		58.0			
					200	1	59.4	10.1		53.5			
					250	1	57.2	9.0		52.0			
					600	1	48.9	9.0		46.3			

DTX-PL Selftest

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	2	i	10	3	1	0.6	79.0			79.0			
12345678					4	0.6	79.0	25.0		79.0			
					8	0.6	78.9	25.0		79.0			
12345678S					10	0.7	77.0	25.0		79.0			
12345678S					16	0.7	72.9	25.0		74.9			
					20	0.7	71.0	25.0		73.0			
					25	0.7	69.0	25.0		71.0			
					31.25	0.8	67.1	23.6		69.1			
					62.5	0.9	61.1	19.1		63.1			
					100	1.1	57.0	16.0		59.0			
					200	1.6	51.0	11.5		53.0			
					250	1.9	49.0	10.0		51.0			

TokenRing, 4Mb/s

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
--3456--	i	100 m	i	i	1				26.5				
--3456--					4	19		17.5					
					8		13.0						
--3456--S					10		11.5						
--3456--S													

TokenRing, 16Mb/s, Active

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
--3456--	i	100 m	i	i	1				32.1				
--3456--					4		23.0						
					8		18.5						
--3456--S					10		17.1						
--3456--S					16	16	14.0						
					20		12.5						
					25		11.1						

TokenRing, 16Mb/s, Passive

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F		
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB		
--3456--	i	100 m	i	i	1				33.6						
--3456--	4						24.5								
	8						20.0								
--3456--S	10						18.6								
--3456--S	16				19		15.5								
	20						14.0								
	25						12.6								

TP-PMD

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	
12----78	i	100 m	i	i	1		51.1		48.6					
12----79					4		42.0		39.5					
					8		37.5		35.0					
12----78S					10		36.1		33.6					
12----78S					16	10	33.0		30.5					
					20		31.5		29.0					
					25		30.1		27.6					
					31.25		28.6		26.1					
					62.5		24.1		21.6					

POE 2-Pair Cat 5e Channel

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
123--6--	i	100 m	555	50	1	3	60.0	17.0	57.0	57.4	57.0	54.0	54.4
123--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
123--6--S					10	7.1	47.0	17.0	39.9	37.4	44.0	36.9	34.4
123--6--S					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	30.1	10.0	6.1	17.4	27.1	3.1	14.4

POE 2-Pair Cat 6 Channel

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
123--6--	i	100 m	555	50	1	3	65.0	19.0	62.0	63.3	62.0	59.0	60.3
123--6--					4	4	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
123--6--S					10	6.3	56.6	19.0	50.2	43.3	54.0	47.7	40.3
123--6--S					16	8	53.2	18.0	45.2	39.2	50.6	42.6	36.2
					20	9	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

POE 2-Pair Cat 5e Perm. Link

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
123--6-- 123--6--	i	90 m	498	44	1	3	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
123--6--S 123--6--S					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	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	32.3	12.0	11.3	18.6	29.3	8.3	15.6

POE 2-Pair Cat 6 Perm. Link

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
123--6-- 123--6--	i	90 m	498	44	1	3	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	59.4	21.0	54.4	46.1	57.0	52.1	43.1
123--6--S 123--6--S					10	5.5	57.8	21.0	52.3	44.2	55.5	49.9	41.2
					16	7	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	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

Voice - 1 Pair

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
---45--- ---45---	i	i	i	N/A	X								
					X								
					X								
---45---S ---45---S					X								

Voice - 2 Pair

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
--3456-- --3456--	i	i	i	i	X								
					X								
					X								
--3456--S --3456--S					X								

MVB 2pr

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F	
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB	
--3456--	i	200 m	384	74	1	3	45.0							
--3456--					2	3.3	45.0							
--3456--S					3	4	45.0							
--3456--S														

Profinet

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	25	i	555	20	1	4	60.0	17.0	56.0	57.4	57.0	53.0	54.4
12345678					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
12345678S					10	7.2	47.0	17.0	39.8	37.4	44.0	36.8	34.4
12345678S					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	30.1	10.0	6.1	17.4	27.1	3.1	14.4

ISO11801 Channel Class D 2pr

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB			
123--6--	25	100 m	555	50	1	4	60	17.0	56	57.4			
123--6--					4	4.5	53.5	17.0	49	45.4			
					8	6.4	48.6	17.0	42.2	39.3			
123--6--S					10	7.2	47	17.0	39.8	37.4			
123--6--S					16	9.1	43.6	17.0	34.5	33.3			
					20	10.2	42	17.0	31.8	31.4			
					25	11.5	40.3	16.0	28.9	29.4			
					31.25	12.9	38.7	15.1	25.8	27.5			
					62.5	18.6	33.6	12.0	15	21.5			
					100	24	30.1	10.0	6.1	17.4			

QMB3TU

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	0.3	i	i	i	4	0.2	80.0	24.0		70.0			
12345678					8	0.2	80.0	24.0		70.0			
					10	0.2	80.0	24.0		70.0			
12345678S					16	0.2	77.9	24.0		68.7			
12345678S					20	0.2	76.0	24.0		66.2			
					25	0.2	74.0	24.0		63.7			
					31.25	0.2	72.1	23.6		61.1			
					62.5	0.2	66.1	19.1		53.3			
					100	0.2	62.0	16.0		48.0			
					200	0.2	56.0	11.5		40.2			
					250	0.2	52.1	11.0		37.7			
					350	0.2	46.3	11.0		33.9			
					500	0.2	40.1	11.0		29.8			

Vendor Standards

Please contact Graybar for details of the VIP Program.

Graybar VIP1000 Channel

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	100 m	555	50	1	3	60.0	17.0	57.0	56.8	57.0	54.0	55.6
12345678					4	4.3	53.5	17.0	49.2	45.0	50.9	46.6	43.6
					8	6.1	48.5	17.0	42.5	39.1	45.7	39.7	37.6
12345678S					10	6.8	47.0	17.0	40.2	37.2	44.1	37.3	35.6
12345678S					16	8.6	43.6	17.0	35.0	33.2	40.6	32.0	31.5
					20	9.7	42.1	17.0	32.4	31.3	39.0	29.3	29.6
					25	10.9	40.5	16.0	29.6	29.4	37.3	26.5	27.7
					31.25	12.2	38.9	15.1	26.7	27.5	35.7	23.5	25.7
					62.5	17.7	33.9	12.1	16.3	21.6	31.9	14.3	19.7
					100	22.8	31.6	10.0	8.8	17.6	30.5	7.7	15.6

Graybar VIP2000 Channel

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	100 m	555	50	1	3	65.0	21.0	62.0	63.8	62.0	59.0	60.8
12345678					4	3.9	65.0	21.0	61.1	51.7	62.0	58.1	48.7
					8	5.5	60.2	21.0	54.7	45.7	58.8	53.3	42.7
12345678S					10	6.2	58.6	21.0	52.5	43.8	57.2	51.1	40.8
12345678S					16	7.8	55.2	21.0	47.4	39.7	53.8	46.0	36.7
					20	8.8	53.6	21.0	44.8	37.7	52.2	43.4	34.7
					25	9.9	52.0	20.0	42.2	35.8	50.6	40.8	32.8
					31.25	11.1	50.4	19.1	39.3	33.9	49.0	37.9	30.9
					62.5	16	45.4	16.1	29.5	27.8	44.0	28.1	24.8
					100	20.5	42.0	14.0	21.5	23.8	40.6	20.1	20.8
					200	30	37.0	11.0	7.0	17.7	35.6	5.6	14.7
					250	34	35.4	10.0	1.4	15.8	34.0		12.8

10G Equip. Channel

* This is the average length of the four pairs

Wire Map	Res.	Length*	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	100 m	555	50	1	4	65.0	19.0		63.3	62.0		60.3
12345678					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
12345678S					10	6.6	56.6	19.0		43.3	54.0		40.3
12345678S					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
					500	53.4	22.0	6.0		9.3	20.4		6.3

LS Simple Cat 6 Plus Ch

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	100 m	555	50	1	3	68.0	19.0	65.0	63.3	65.0	62.0	60.3
12345678					4	4	66.0	19.0	62.0	51.2	63.5	59.5	48.2
					8	5.7	61.2	19.0	55.5	45.2	58.6	52.9	42.2
12345678S					10	6.3	59.6	19.0	53.2	43.3	57.0	50.7	40.3
12345678S					16	8	56.2	18.0	48.2	39.2	53.6	45.6	36.2
					20	9	54.6	17.5	45.6	37.2	52.0	42.9	34.2
					25	10.1	53.0	17.0	42.9	35.3	50.3	40.2	32.3
					31.25	11.4	51.4	16.5	40.0	33.4	48.7	37.3	30.4
					62.5	16.5	46.4	14.0	29.9	27.3	43.6	27.1	24.3
					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

LS Simple Cat 6 Plus PL

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
	Ω	Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
12345678	i	90 m	498	44	1	3	68.0	19.1	65.0	64.2	65.0	62.0	61.2
12345678					4	3.5	67.1	21.0	63.6	52.1	64.8	61.3	49.1
					8	5	62.4	21.0	57.4	46.1	60.0	55.1	43.1
12345678S					10	5.5	60.8	21.0	55.3	44.2	58.5	52.9	41.2
12345678S					16	7	57.6	20.0	50.6	40.1	55.2	48.2	37.1
					20	7.9	56.1	19.5	48.2	38.2	53.7	45.8	35.2
					25	8.9	54.5	19.0	45.7	36.2	52.1	43.2	33.2
					31.25	10	53.0	18.5	43.0	34.3	50.5	40.6	31.3
					62.5	14.4	48.1	16.0	33.8	28.3	45.7	31.3	25.3
					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

Coax Standards

10BASE-2

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.*	Insertion Loss
	Ω	Max.	nS	nS	MHz	dB
		185 m	i		5	6
					10	8.5

10BASE-5

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.*	Insertion Loss
	Ω	Max.	nS	nS	MHz	dB
		500 m	i		5	6
					10	8.5

CATV

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.*	Insertion Loss
	Ω	Max.	nS	nS	MHz	dB
		i	i		1	i
					900	i

75 Ohm Only

Coax Cables

Wire Map	Res.	Length	Prop. Delay	Delay Skew	Freq.*	Insertion Loss
	Ω	Max.	nS	nS	MHz	dB
		i	i		1	i
					250	i

*Frequency Steps

1 to 31.25 MHz	150 kHz
31.25 MHz to 100 MHz	250 kHz
100 MHz to 250 MHz	500 kHz
250 MHz to 900 MHz	1,000 kHz

Fiber Loss (Tier 1) Standards

*The Horiz limit for TIA no longer exists in ANSI/TIA-568-C.

TIA-568-C Multimode

Cable Type	Adapter Loss	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	m
OM1, OM2, OM3, OM4	0.75	0.3					3.5	1.5			2,000

TIA-568-C Singlemode ISP

Cable Type	Adapter Loss	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	m
OS1, OS2	0.75	0.3							1.0	1.0	40,000

TIA-568-C Singlemode OSP

Cable Type	Adapter Loss	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	m
OS1, OS2	0.75	0.3							0.5	0.5	40,000

ISO/IEC 11801 -2002 Fibre Link

Superseded by ISO/IEC 14763-3

Cable Type	Adapter Loss	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	m
OM1, OM2, OM3, OM4	0.75	0.3					3.5	1.5			2,000
OS1, OS2	0.75	0.3							1.0	1.0	5,000

ISO/IEC 11801 -2002 OF-300 CH

Cable Type	Adapter Loss	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	m
OM1, OM2, OM3, OM4			2.55	1.95							300
OS1, OS2					1.8	1.8					300

ISO/IEC 11801 -2002 OF-500 CH

Cable Type	Adapter Loss	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	m
OM1, OM2, OM3, OM4			3.25	2.25							500
OS1, OS2					2.0	2.0					500

ISO/IEC 11801 -2002 OF-2000 CH

Cable Type	Adapter Loss	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	m
OM1, OM2, OM3, OM4			8.5	4.5							2,000
OS1, OS2					3.5	3.5					2,000

ISO/IEC 14763-3

Please click on the link below before using this test limit

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Cable Type	Adapter Loss	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	m
OM1, OM2, OM3, OM4	0.75	0.3					3.5	1.5			2,000
OS1, OS2	0.75	0.3							1.0	1.0	5,000

ISO/IEC 14763-3:2014

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Cable Type	Adapter Loss	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	m
OM1, OM2, OM3, OM4	0.75	0.3					3.5	1.5			2,000
OS1, OS2	0.75	0.3							1.0	1.0	5,000

EN50173 Fiber Optic Link

Cable Type	Adapter Loss	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	m
OM1, OM2, OM3, OM4	0.75	0.3					3.5	1.5			2,000
OS1, OS2	0.75	0.3							1.0	1.0	2,000

EN50173 OF-300 Channel

Cable Type	Adapter Loss	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	m
OM1, OM2, OM3, OM4			2.55	1.95							300
OS1, OS2					1.8	1.8					300

10BASE-FL

Cable Type	Adapter Loss	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	m
OM1			12.5								2,000
OM2, OM3, OM4			7.8								2,000

10/100BASE-SX

Cable Type	Adapter Loss	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	m
OM1, OM2, OM3, OM4			4.0								300

FDDI Fiber Optic

Cable Type	Adapter Loss	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	m
OM1, OM2, OM3, OM4				11.0							2,000

ATM52

Cable Type	Adapter Loss	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	m
OM1, OM2, OM3, OM4				10.0							3,000

ATM155

Cable Type	Adapter Loss	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	m
OM1, OM2, OM3, OM4				10.0							2,000

ATM155 SWL

Cable Type	Adapter Loss	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	m
OM1, OM2, OM3, OM4			7.2								1,000

ATM622 Fiber Optic

Cable Type	Adapter Loss	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	m
OM1, OM2, OM3, OM4				6.0							500

ATM622SWL Fiber Optic

Cable Type	Adapter Loss	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	m
OM1, OM2, OM3, OM4			4.0								300

Fibre Channel 133

Cable Type	Adapter Loss	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	m
OM1, OM2, OM3, OM4				6.0							1,500

Fibre Channel 266

Cable Type	Adapter Loss	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	m
OM1				6							1,500
OM2				5.5							1,500
OM3, OM4				5.5							1,500

Fibre Channel 266 SWL

Cable Type	Adapter Loss	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	m
OM1			12.0								700
OM2, OM3, OM4			12.0								2,000

10GBASE-SR*

Cable Type	Adapter Loss	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	m
OM1			2.4								33
OM2			2.3								82
OM3			2.6								300
OM4			2.9								400*
MM 62.5 µm MBW=160			2.6								26
MM 62.5 µm MBW=220			2.5								33
MM 50 µm MBW=400			2.2								66

* IEEE 802.3 has formally stated a 400 m distance for OM4 in line with ANSI/TIA-568-C.0-2

10GBASE-LX4

Cable Type	Adapter Loss	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	m
OM1				2.5							300
OM2, OM3, OM4				2.0							300
MM 50 µm MBW=400				2.0							240
OS1, OS2					6.3						10,000

10GBASE-L

Cable Type	Adapter Loss	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	m
OS1, OS2					6.2						5,000

10GBASE-LRM

Cable Type	Adapter Loss	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	m
OM1, OM2, OM3, OM4			1.9	1.9							220

10GBASE-E

Cable Type	Adapter Loss	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	m
OS1, OS2						11.0					40,000

40GBASE-FR

Cable Type	Adapter Loss	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	m
OS1, OS2						4.0					2,000

40GBASE-LR4

Cable Type	Adapter Loss	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	m
OS1, OS2					6.7						10,000

40GBASE-SR4

Cable Type	Adapter Loss	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	m
OM3			1.9								100
OM4			1.5								150

100GBASE-ER4 (DTX Fiber Modules rated to 10,000 m)

Cable Type	Adapter Loss	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	m
OS1, OS2					15						30,000

Fibre Channel 1200-M5E-SN-I

Cable Type	Adapter Loss	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	m
OM2			2.60								300

Fibre Channel 1200-M6-SN-I

Cable Type	Adapter Loss	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	m
OM1			2.40								33

Fibre Channel 1200-SM-LC-L

Cable Type	Adapter Loss	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	m
OS1, OS2					6.00						10,000

Fibre Channel 200-M5-SN-I

Cable Type	Adapter Loss	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	m
OM2			2.62								300

Fibre Channel 200-M5E-SN-I

Cable Type	Adapter Loss	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	m
OM2			3.31								500

Fibre Channel 200-M6-SN-I

Cable Type	Adapter Loss	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	m
OM1			2.10								150

Fibre Channel 200-SM-LC-L

Cable Type	Adapter Loss	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	m
OS1, OS2					7.80						10,000

Fibre Channel 400-M5-SN-I

Cable Type	Adapter Loss	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	m
OM2			2.06								150

Fibre Channel 400-M5E-SN-I

Cable Type	Adapter Loss	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	m
OM2			2.88								380

Fibre Channel 400-M6-SN-I

Cable Type	Adapter Loss	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	m
OM1			1.78								70

Fibre Channel 400-SM-LC-L

Cable Type	Adapter Loss	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	m
OS1, OS2					7.80						10,000

GB 50312-2007 Fiber Link

Cable Type	Adapter Loss	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	m
OM1	0.75	0.3					3.5	1.5			2,000
OM2, OM3, OM4	0.75	0.3					3.5	1.5			2,000
OS1, OS2	0.75	0.3							1.0	1.0	5,000

GB 50312-2007 OF-300 Ch

Cable Type	Adapter Loss	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	m
OM1, OM2, OM3, OM4			2.55	1.95							300
OS1, OS2					1.8	1.8					300

GB 50312-2007 OF-500 Ch

Cable Type	Adapter Loss	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	m
OM1, OM2, OM3, OM4			3.25	2.25							500
OS1, OS2					2.0	2.0					500

GB 50312-2007 OF-2000 Ch

Cable Type	Adapter Loss	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	m
OM1, OM2, OM3, OM4			8.5	4.5							2,000
OS1, OS2					3.5	3.5					2,000

Korean Emblem Fiber MM(2006)

Cable Type	Adapter Loss	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	m
OM1, OM2, OM3, OM4			11.5	7.5							3,500

Korean Emblem Fiber SM(2006)

Cable Type	Adapter Loss	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	m
OS1, OS2					5.5	5.5					15,500

Korean Fiber 11dB (2004)

Cable Type	Adapter Loss	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	m
OM1, OM2, OM3, OM4			11.0	11.0							3,000
OS1, OS2					11.0	11.0					14,000

Korean Fiber 12dB (2004)

Cable Type	Adapter Loss	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	m
OM1, OM2, OM3, OM4			12.0	12.0							3,500
OS1, OS2					12.0	12.0					15,500

Korean Pre-Deploy Comm MM

Cable Type	Adapter Loss	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	m
OM1, OM2, OM3, OM4			13.0	9.0							3,500

Korean Pre-Deploy Comm SM

Cable Type	Adapter Loss	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	m
OS1, OS2					7.0	7.0					15,500

Korean Pre-Deploy Res. SM

Cable Type	Adapter Loss	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	m
OS1, OS2					7.0	7.0					15,500

GOST R 53245-2008 Fiber Horiz.

Cable Type	Adapter Loss	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	m
OM1, OM2, OM3, OM4			2.0	2.0							90

GOST R 53245-2008 Backbone

Cable Type	Adapter Loss	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	m
OM1, OM2, OM3, OM4	0.75	0.3					3.5	1.5			2,000

JIS X5150-2004 Fibre Link

Cable Type	Adapter Loss	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	m
OM1, OM2, OM3, OM4	0.75	0.3					3.5	1.5			2,000
OS1, OS2	0.75	0.3							1.0	1.0	5,000

JIS X5150-2004 OF-300 CH

Cable Type	Adapter Loss	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	m
OM1, OM2, OM3, OM4			2.55	1.95							300
OS1, OS2					1.8	1.8					300

JIS X5150-2004 OF-500 CH

Cable Type	Adapter Loss	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	m
OM1, OM2, OM3, OM4			3.25	2.25							500
OS1, OS2					2.0	2.0					500

JIS X5150-2004 OF-2000 CH

Cable Type	Adapter Loss	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	m
OM1, OM2, OM3, OM4			8.5	4.5							2,000
OS1, OS2					3.5	3.5					2,000

General Fiber RL -55dB

Cable Type	Adapter Loss	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	RL
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB
OM1, OM2, OM3, OM4	0.75	0.3									-55
OS1, OS2	0.75	0.3									-55

ISO/IEC 11801 -2002 Fibre Link

Cable Type	Adapter Loss	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	m
OM1, OM2, OM3, OM4	0.75	0.3									2,000
OS1, OS2	0.75	0.3									5,000

ISO/IEC 11801 -2002 OF-2000 CH

Cable Type	Adapter Loss	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	m
OM1, OM2, OM3, OM4			8.5	4.5							2,000
OS1, OS2					3.5	3.5					2,000

ISO/IEC 11801 -2002 OF-300 CH

Cable Type	Adapter Loss	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	m
OM1, OM2, OM3, OM4			2.55	1.95							300
OS1, OS2					1.8	1.8					300

ISO/IEC 11801 -2002 OF-500 CH

Cable Type	Adapter Loss	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	m
OM1, OM2, OM3, OM4			3.25	2.25							500
OS1, OS2					2.0	2.0					500

ISO/IEC 11801 -2010 2 -Conn

Cable Type	Adapter Loss	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	RL	Length
	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	m
OM1, OM2, OM3, OM4	0.3	0.3								-20	2,000
OS1, OS2	0.5	0.3								-35	5,000

JIS X5150-2004 OF-2000 CH

Cable Type	Adapter Loss	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	m
OM1, OM2, OM3, OM4			8.5	4.5							2,000
OS1, OS2					3.5	3.5					2,000

JIS X5150-2004 OF-300 CH

Cable Type	Adapter Loss	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	m
OM1, OM2, OM3, OM4			2.55	1.95							300
OS1, OS2					1.8	1.8					300

JIS X5150-2004 OF-500 CH

Cable Type	Adapter Loss	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	m
OM1, OM2, OM3, OM4			3.25	2.25							500
OS1, OS2					2.0	2.0					500