

Corning® InfiniCor® Fiber Reference Sheet

Product Link Lengths in Common Laser-Based Application Standards



Optical
Fiber

CO4259

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		InfiniCor® 50 µm Fiber Link Length (m)							
		InfiniCor® eSX+ fiber		InfiniCor® SX+ fiber		InfiniCor® SXi fiber		InfiniCor® 600 fiber	
		850 nm	1300 nm	850 nm	1300 nm	850 nm	1300 nm	850 nm	1300 nm
Application Standard	Nominal Speed (Mb/sec)	*							
IEEE 802.3 series Ethernet									
1000BASE-SX	1,000	1,100	-	1,000	-	750	-	600	-
1000BASE-LX	1,000	-	550	-	550	-	550	-	550
10GBASE-SR	10,000	550	-	300	-	150	-	82	-
10GBASE-LX4	10,000	-	300	-	300	-	300	-	300
ANSI - INCITS Fibre Channel									
100-M5/6-SN-I	1,000	1,100	-	1,000	-	750	-	600	-
200-M5/6-SN-I	2,000	632	-	526	-	428	-	320	-
400-M5/6-SN-I	4,000	337	-	291	-	228	-	162	-
1200-M5/6E-SNS	10,000	550	-	300	-	150	-	82	-
ITU/T - Asynchronous Transfer Mode (ATM)	1,000	1,100	550	1,000	550	750	550	600	550
ITU/T - SONET/SDH OIF VSR									
OC-192 VSR4-01	10,000	1,100	-	1,000	-	750	-	650	-
OC-192 VSR4-03	10,000	810	-	620	-	375	-	306	-
OC-192 VSR4-04	10,000	550	-	300	-	150	-	82	-
OC-768 VSR5-01	40,000	550	-	300	-	150	-	100	-
InfiniBand TA - VSR									
IB-1x-SDR-SX	2,500	700	-	500	-	400	-	250	-
IB-4x-SDR-SX	10,000	350	-	200	-	175	-	125	-
IB-8x-SDR-SX	20,000	350	-	200	-	175	-	125	-
IB-12x-SDR-SX	30,000	350	-	200	-	175	-	125	-
IB-1x-DDR-SX	5,000	350	-	200	-	175	-	125	-
IB-4x-DDR-SX	20,000	275	-	150	-	125	-	75	-
IB-8x-DDR-SX	40,000	275	-	150	-	125	-	75	-
IB-12x-DDR-SX	60,000	275	-	150	-	125	-	75	-
IB-1x-QDR-SX	10,000	550	-	300	-	150	-	82	-

* Systems installed with cable attenuation ≤ 3.0 dB/km and total connector loss ≤ 1.0 dB

Additional “engineered link” lengths with higher bandwidth available upon request

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Product Link Lengths in Common Laser-Based Application Standards



Optical
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Application Standard		Nominal Speed (Mb/sec)		InfiniCor® 62.5 μm Fiber Link Length (m)			
				InfiniCor® CL-1000 fiber		InfiniCor® 300 fiber	
				850 nm	1300 nm	850 nm	1300 nm
IEEE 802.3 series Ethernet							
	1000BASE-SX	1,000	500	-	300	-	
	1000BASE-LX	1,000	-	1,000	-	550	
	10GBASE-SR	10,000	33	-	33	-	
	10GBASE-LX4	10,000	-	300	-	300	
ANSI - INCITS Fibre Channel							
	100-M5/6-SN-I	1,000	500	-	300	-	
	200-M5/6-SN-I	2,000	260	-	170	-	
	400-M5/6-SN-I	4,000	130	-	80	-	
	1200-M5/6E-SNS	10,000	33	-	33	-	
ITU/T - Asynchronous Transfer Mode (ATM)		1000	500	1,000	300	550	
ITU/T - SONET/SDH OIF VSR							
	OC-192 VSR4-01	10,000	500	-	300	-	
	OC-192 VSR4-04	10,000	33	-	33	-	
InfiniBand TA - VSR							
	IB-1x-SDR-SX	2,500	125	-	125	-	
	IB-4x-SDR-SX	10,000	75	-	75	-	
	IB-8x-SDR-SX	20,000	75	-	75	-	
	IB-12x-SDR-SX	30,000	75	-	75	-	
	IB-1x-DDR-SX	5,000	65	-	65	-	
	IB-4x-DDR-SX	20,000	50	-	50	-	
	IB-8x-DDR-SX	40,000	50	-	50	-	
	IB-12x-DDR-SX	60,000	50	-	50	-	
	IB-1x-QDR-SX	10,000	33	-	33	-	

For additional information, please reference Corning White Paper 1160, "Fiber Selection Guide for Premises Networks," available at the Corning® InfiniCor® fiber page of www.corning.com/opticalfiber.