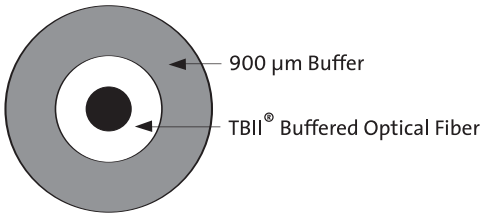
900 µm Buffered Fiber

A LANscape® Solutions Product

Corning
Cable Systems

Description

Corning Cable Systems' 900 µm Buffered Fiber is ideal for interconnect and OEM applications. TBII® Buffered Fibers enable easy, consistent stripping.



900 µm Buffered Cable | Drawing CPC-220/1/54

Specifications

Fiber Types (Core/Cladding Diameters)	62.5/125 µm, 50/125 µm, single-mode
Buffering Diameter	900 µm
Storage Temperature	-40° to +70°C (-40° to +158°F)
Operating Temperature	-20° to +70°C (-4° to +158°F)
Approvals and Listings	None required

Fiber Count	Nominal Outer Diameter mm (in)	Nominal Weight kg/km (lb/1000 ft)	Maximum Tensile Loads Short-Term N (lbf)	Maximum Tensile Loads Long-Term N (lbf)	Minimum Bend Radius Loaded cm (in)	Minimum Bend Radius Installed cm (in)
1	0.9 (0.04)	1.0 (0.7)	6.0 (1.4)	3.0 (0.7)	5.0 (2.0)	3.0 (1.2)

Transmission Performance

Fiber Code	K	C	S	S	E
Performance Option Code	**41**	**31**	**80**	**90**	**31**
Fiber Type	62.5/125 µm	50/125 µm	50/125 µm Pretium™ 300 Solutions	50/125 µm Pretium 550 Solutions	Single-mode
	(850/1300 nm)	(850/1300 nm)	(850/1300 nm)	(850/1300 nm)	(1310/1383/1550 nm)
Maximum Attenuation (dB/km)	3.75/1.5	3.5/1.5	3.0/1.5	3.0/1.5	0.7/0.7/0.7
Minimum LED Bandwidth (MHz•km)	160/500	500/500	1500/500	1500/500	– / – / –
Minimum Effective Modal Bandwidth (MHz•km)	*– / –	*510/ –	**2000/ –	***4700/ –	– / – / –
Serial Gigabit Ethernet Distance (m)	220/550	600/600	1000/600	1000/600	5000/ – / –
Serial 10 Gigabit Ethernet Distance (m)	26/ –	82/ –	300/ –	****550/ –	10000/40000

** As predicted by RML BW, per TIA/EIA 455-204 and IEC 60793-1-41, for intermediate performance laser-based systems (up to 1 Gb/s).*
*** As predicted by minEMBc, per TIA/EIA 455-220 and IEC 60793-1-49, for high performance laser-based systems (up to 10 Gb/s).*
**** As predicted by minEMBc, per TIA/EIA 455-220 and IEC 60793-1-49, for high performance laser-based systems (up to 10 Gb/s).*
***** The 550 m distance is equivalent to a 4700 EMB system with standards-compliant transceiver and fiber characteristics, 3.0 dB/km cable attenuation and 1.0 dB total connector loss.*

Ordering Information

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1 **2**

1 Select fiber type.

K = 62.5/125 µm
C = 50/125 µm
S = 50/125 µm laser optimized
E = Single-mode

2 Select performance option code.

41 = 62.5/125 µm
31 = 50/125 µm
80 = 50/125 µm, Pretium 300 Solutions
90 = 50/125 µm, Pretium 550 Solutions
31 = Single-mode

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Fiber Cabling Solutions for Premises Networks