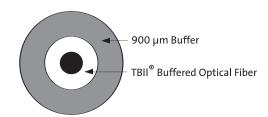
# 900 µm Buffered Fiber

A LANscape<sup>®</sup> 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		

	Nominal Outer	Nominal Weight	Maximum Tens	ile Loads	Minimum Bend Radius	
Fiber Count	Diameter mm (in)	kg/km (lb/1000 ft)	Short-Term N (lbf)	Long-Term N (lbf)	Loaded cm (in)	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	С	S	S	E			
Performance Option Code	41	31	80	90	31			
Fiber Type	62.5/125 μm	50/125 μm	50/125 μm	50/125 μm	Single-mode			
			Pretium <sup>™</sup> 300 Solutions	Pretium 550 Solutions				
	(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			

<sup>\*</sup> 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).

## **Ordering Information**

001 \_ 41 - 311 \_ - 24

Select fiber type.

 $K = 62.5/125 \mu m$  $C = 50/125 \mu m$ 

 $S = 50/125 \mu m$  laser optimized

E = Single-mode

#### 2 Select performance option code.

41 = 62.5/125 μm

 $31 = 50/125 \, \mu m$ 

 $80 = 50/125 \mu m$ , Pretium 300 Solutions

 $90 = 50/125 \mu m$ , Pretium 550 Solutions

31 = Single-mode

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<sup>\*\*</sup> 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).

<sup>\*\*\*</sup> 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).

<sup>\*\*\*\*</sup> 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.