

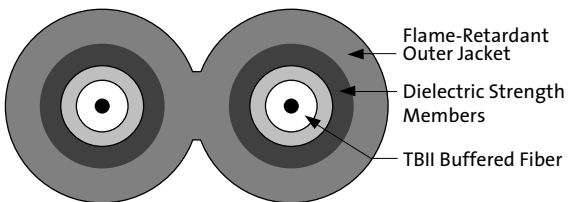
# 2-Fiber Zipcord Plenum Cables

A LANscape® Solutions Product

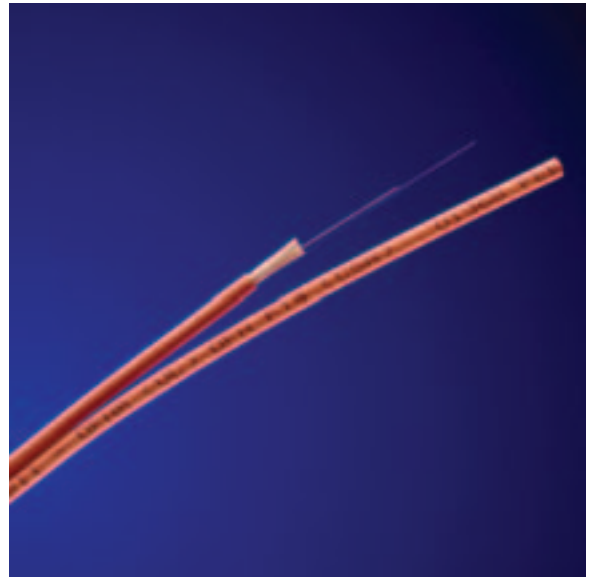
Corning  
Cable Systems

## Description

Corning Cable Systems Zipcord Cable utilizes two 900 µm TBII® Buffered Fibers surrounded by aramid yarn strength members with a flexible flame-retardant jacket. This cable meets the application requirements of the National Electrical Code® (NEC® Article 770) and is listed as Type OFNP and CSA FT-6. Zipcord cable is ideal for interconnect applications within plenum areas.



Drawing CPC-220/1/56



2-Fiber Zipcord Plenum Cable | Photo CLT26

## Specifications

<b>Temperatures</b>	Storage: -40° to +70°C (-4° to +158°F) Operation: 0° to +70°C (+32° to +158°F)
<b>Fiber Types (Core/Cladding Diameters)</b>	62.5/125 µm, 50/125 µm, single-mode
<b>Buffering Diameter</b>	900 µm
<b>Approvals and Listings</b>	NEC OFNP, CSA FT-6, ICEA S-83-596
<b>Flame Resistance</b>	NFPA 262 (for plenum, riser and general building applications)

Fiber Count	Nominal Outer Diameter mm (in)	Nominal Weight kg/km (lb/1000 ft)	Maximum Tensile Loads		Minimum Bend Radius	
			Short-Term N (lbf)	Long-Term N (lbf)	Loaded cm (in)	Installed cm (in)
2	2.8 x 5.6 (0.11 x 0.22)	15 (10)	220 (48)	66 (15)	5.0 (2.0)	2.5 (1.0)
2	2.0 x 4.0 (0.07 x 0.14)	7.7 (5.2)	220 (48)	66 (15)	5.0 (2.0)	2.5 (1.0)
2	1.6 x 3.3 (0.06 x 0.13)	5.2 (3.5)	220 (48)	45 (10)	5.0 (2.0)	2.5 (1.0)

*Note:*  
Installed minimum bend radius of 20 mm is acceptable with a length no longer than 1 meter subjected to the bend.



Product Specifications

## Transmission Performance Table

Fiber Code	K	C	S	S	E
Performance Option Code	41	31	80	90	31
Fiber Type	62.5/125 μm (850/1300 nm)	50/125 μm (850/1300 nm)	50/125 μm (850/1300 nm)	50/125 μm (850/1300 nm)	Single-mode (1310/1550 nm)
Maximum Attenuation (dB/km)	3.75/1.5	3.5/1.5	3.0/1.5	3.0/1.5	1.0/1.0/0.75
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/-	10000/40000/40000

\*EMB when deployed with 850 nm, 1 Gb/s VCSELs, as predicted by RML Bandwidth using FOTP-204.

\*\*EMB when deployed with 850 nm, 10 Gb/s VCSELs, as predicted by DMD method using FOTP-220.

\*\*\* 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

Contact Customer Service for other options.

0 0 2 □ 5 8 - 3 1 □ □ □ - 2 4  
 1 2 3 4 5 6 7 8 9 10 11 12 13 14

**1 - 3** Defines fiber count (002).

**4** Select fiber code (see Transmission Performance Table).

**5 / 12** Defines cable type.

5/- = Zipcord

**6** Defines outer jacket.

8 = Plenum

**7 - 8** Define fiber placement and markings.

31 = Two-fiber zipcord cable; feet markings

**9** Select cable outside diameter.

1 = 2.8 mm

3 = 2.0 mm

4 = 1.6 mm

**10 - 11** Select performance option code.

(see Transmission Performance Table).

**13 - 14** Defines special manufacturing code.

24 = Standard for two-fiber zipcord plenum cables



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