

Zipcord Plenum Cables, 2-Fiber

A LANscape®
Solutions Product

features and benefits |

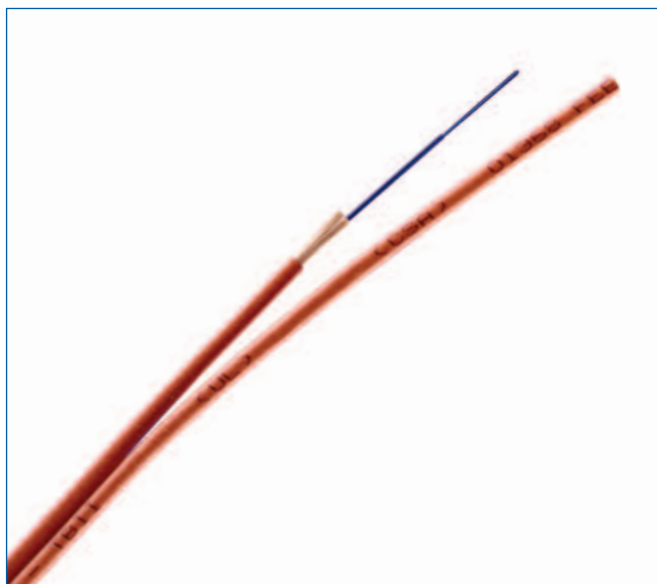
**Meets NEC®
requirements**

Meets burn test criteria

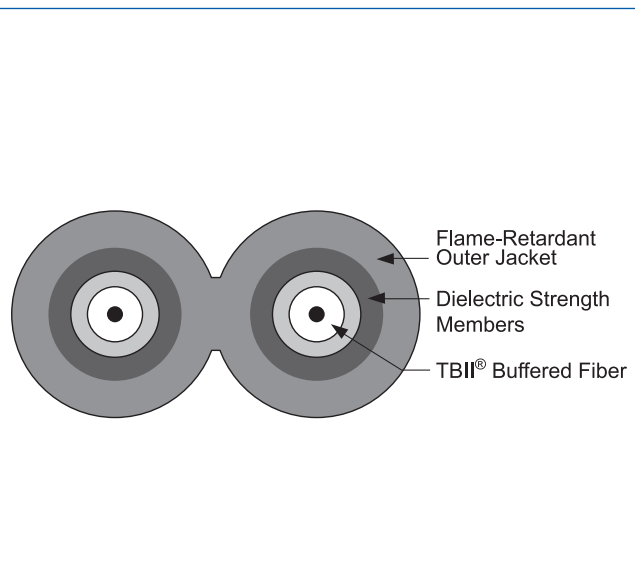
**All-dielectric
strength member**

Mechanical durability

Corning Cable Systems Zipcord Plenum Cables are designed for interconnect applications in plenum areas. Two 900 µm TBII® Buffered Fibers are surrounded by aramid yarn strength members and a flame-retardant jacket. This cable design offers mechanical durability and flame resistance meeting NFPA 262 requirements for plenum and general building applications and the National Electric Code® (NEC®) Article 770. The cables are OFNP and CSA FT-6 listed.



Zipcord Plenum Cable, 2-Fiber | Photo CAB008



Zipcord Plenum Cable, 2-Fiber | Drawing CP-220/1/56

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specifications |

Maximum Tensile Loads	Short-Term: 220 N (50 lbf) Long-Term: 66 N (15 lbf)
Temperatures	Storage: -40° to +70°C (-40° to +158°F) Operation: 0° to +70°C (+32° to +158°F)
Approvals and Listings	National Electrical Code® (NEC®) OFNP, CSA FT-6, ICEA S-83-596
Flame Resistance	NFPA 262 (for plenum, riser and general purpose building applications)
Fiber Types (Core/Cladding Diameters)	50/125 µm, 62.5/125 µm, single-mode
Buffering Diameter	900 µm

Fiber Count	Nominal Outside Diameter mm (in)	Nominal Cable Weight kg/km (lb/1000 ft)	Minimum Bend Radius		
			Loaded cm (in)	Installed – cm (in)	
				Single-mode	Multimode
2	2.8 x 5.6 (0.11 x 0.22)	14.6 (10.0)	5.0 (2.0)	2.5 (1.0)	1.4 (0.55)
2	2.0 x 4.0 (0.08 x 0.16)	7.4 (5.2)	5.0 (2.0)	2.5 (1.0)	1.0 (0.40)
2	1.6 x 3.3 (0.06 x 0.13)	5.0 (3.5)	5.0 (2.0)	2.5 (1.0)	0.8 (0.30)

Note:

Installed single-mode minimum bend radius of 20 mm is acceptable with a length no longer than 1 m subjected to the bend.

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transmission performance |

	LANscape® 62.5 Solutions	LANscape 62.5 Solutions	LANscape Pretium® 150 Solutions	LANscape Pretium 300 Solutions	LANscape Pretium 550 Solutions	LANscape Pretium 600 Solutions	Single-Mode
Fiber Code	K	K	T	T	T	T	E
Performance Option Code	30	41	31	80	90	91	31
Optical Fiber Type (μm)	62.5 Multimode	62.5 Multimode	50 Multimode	50 Multimode	50 Multimode	50 Multimode	Single-mode****
ISO/IEC 11801 Nomenclature	OM1	OM1	OM2	OM3***	OM4***	OM4***	OS2
Wavelength (nm)	850/1300	850/1200	850/1300	850/1300	850/1300	850/1300	1310/1383/1550
Maximum Attenuation (dB/km)	3.4/1.0	3.4/1.0	2.8/1.0	2.8/1.0	2.8/1.0	2.8/1.0	0.65/0.65/0.50
Minimum Over Filled Launch (OFL) Bandwidth (MHz•km)	200/500	160/500	700/500	1500/500	3500/500	3500/500	– / – / –
Minimum Effective Modal Bandwidth (EMB) (MHz•km)	220/ –	– / –	950/ –	2000/ –	4700/ –	5350/ –	– / – / –
Serial 1 Gigabit Ethernet Distance (m)	300/550	220/550	750/600	1000/600	1000/600	1000/600	5000 / – / –
Serial 10 Gigabit Ethernet Distance (m)	33/ –	26/ –	150/ –	300/ –	550*/ –	600**/ –	10000/ – /40000

* Assumes 1.0 dB maximum total connector/splice loss.

** Assumes 0.7 dB maximum total connector/splice loss.

*** Meets 0.75 ns optical skew when used in all Corning Cable Systems Plug & Play™ Systems solutions.

**** ITU 652.D compliant.

Notes:

1) Improved attenuation and bandwidth options available.

2) Bend-insensitive single-mode fibers available on request.

3) Contact a Corning Cable Systems Customer Service Representative for additional information.

4) 50 μm multimode fiber macrobend loss ≤ 0.2 dB at 850 nm for 2 turns around 7.5 mm radius mandrel.

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ordering information | Contact Customer Service at 800-743-2671 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

Defines fiber placement
and markings.
31 = Zipcord cable, 2-fiber;
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 zipcord
plenum cables, 2-fiber

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