DFX® Plenum Cables, 2-Fiber

Features and Benefits

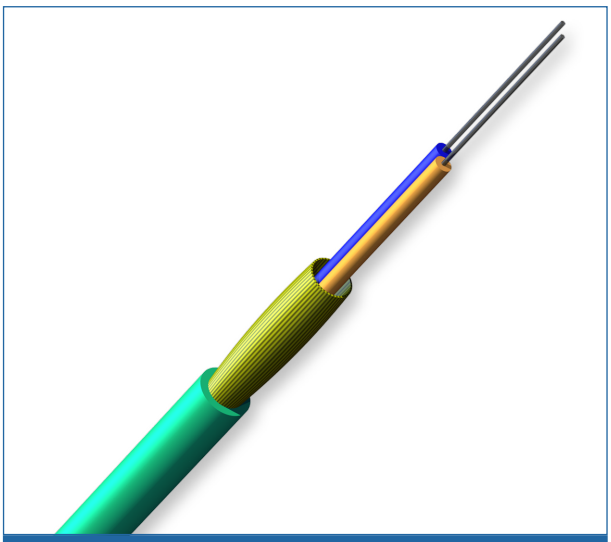
Two 900 µm tight-buffered fibers
Small 2.9 mm package

Flexible 2-fiber cable
High-density interconnect applications

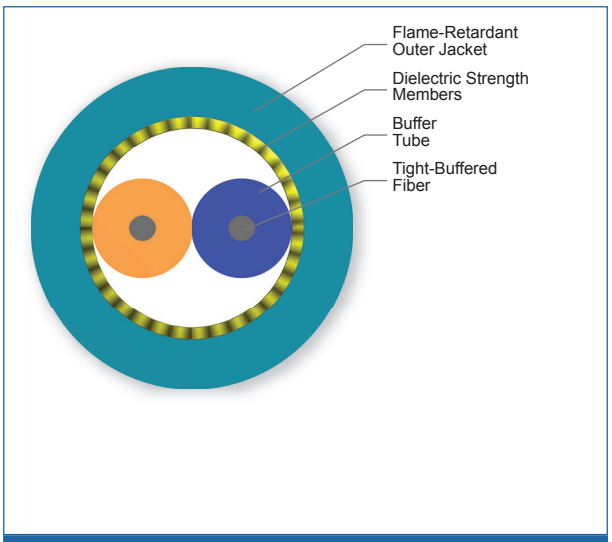
Corning DFX® cables have two 900 µm tight-buffered fibers surrounded by aramid yarn strength members in a flexible flame-retardant jacket. These cables meet the application requirements of the National Electrical Code (NEC) Article 770 and are OFNR and FT-4 listed. DFX cables are ideal for interconnect applications.

Standards

Approval and Listings	National Electrical Code® (NEC®) OFNR, FT-4
Design and Test Criteria	ANSI/ICEA S-83-596



DFX Plenum Cable, 2 Fibers | Photo PIMtbd



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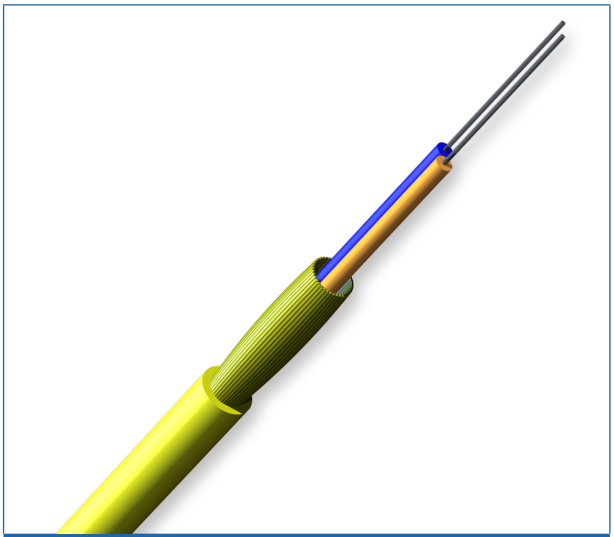

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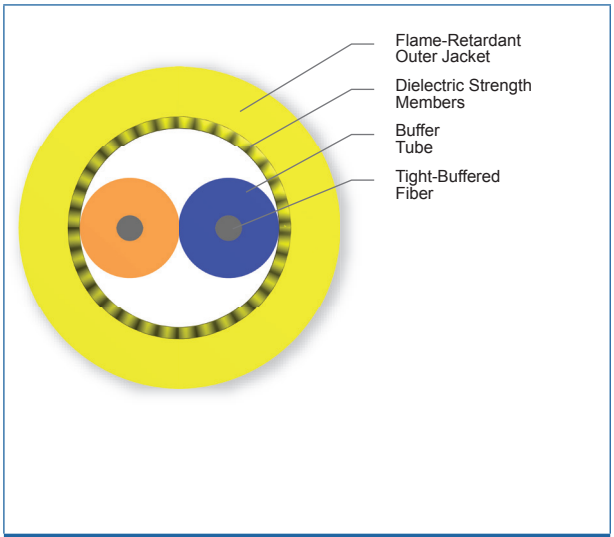

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Specifications

Temperature Range	
Storage	-40 °C to 70 °C (-40 °F to 158 °F)
Installation	0 °C to 70 °C (32 °F to 158 °F)
Operation	0 °C to 70 °C (32 °F to 158 °F)

** Note: Corning recommends storing cable in a proper temperature environment prior to installation to allow the cable temperature to meet installation temperature range specifications for best installation results.*

Mechanical Characteristics Cable					
Fiber Count	Product Type	Nominal Outer Diameter	Weight	Min. Bend Radius Installation	Min. Bend Radius Operation
2	Interconnect	2.9 mm (0.1 in)	8.67 kg/km (5.82 lb/1000 ft)	50 mm (2 in)	30 mm (1.2 in)

Chemical Characteristics	
RoHS	Free of hazardous substances according to RoHS 2002/95/EG

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Transmission Performance

Multimode					
Fiber Core Diameter (µm)	62.5	50	50	50	50
Fiber Category	OM1	OM2	OM3	OM4	OM4 Extended Distance
Fiber Code	K	T	T	T	T
Performance Option Code	30	31	80	90	91
Wavelengths (nm)	850/1300	850/1300	850/1300	850/1300	850/1300
Maximum Attenuation (dB/km)	3.4/1.0	3.0/1.0	3.0/1.0	3.0/1.0	3.0/1.0
Serial 1 Gigabit Ethernet (m)	200/500	750/600	1500/500	1100/600	1100/600
Serial 10 Gigabit Ethernet (m)	220/-	150/-	2000/-	550/-	600/-
Min. Overfilled Launch (OFL) Bandwidth (MHz*km)	300/550	700/500	1000/600	3500/500	3500/500
Minimum Effective Modal Bandwidth (EMB) (MHz*km)	33/-	950/-	300/-	4700/-	5350/-

** Single-mode (OS2) fiber is ITU-T G.652.D compliant.*
** 50 µm multimode fiber (OM4) T90 10 Gigabit Ethernet distance assumes 1.0 dB maximum total connector/splice loss.*

Notes: 1) *Improved attenuation and bandwidth options available.*
2) *Bend-insensitive single-mode fibers available on request.*
3) *Contact a Corning Customer Care Representative for additional information.*

Single-mode	
Fiber Name	SMF-28e® fiber
Fiber Category	G.652.D
Fiber Code	E
Performance Option Code	31
Wavelengths (nm)	1310/1383/1550
Maximum Attenuation (dB/km)	0.65/0.65/0.50

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Ordering Information | *Note: Contact Customer Care at 1-800-743-2675 for other options.*

0	0	2	□	7	8	-	3	1	3	□	□	-	2	9
1			2	3	4		5	6	7	8		9	10	

1 Defines fiber count.
002

2 Select fiber code.
K = 62.5 µm multimode (OM1)
T = 50 µm multimode, (OM2/OM3/OM4)
E, H, J, U = Single-mode (OS2) SMF-28e+®

3 Defines cable type.
7 = DFX® cable construction

4 Defines outer jacket.
8 = Plenum

5 Defines fiber placement.
3 = Standard

6 Defines length markings.
1 = Markings in feet (standard)

7 Defines diameter options.
3 = 2.9 mm OD

8 Select performance option code.
30 = 62.5 µm multimode (OM1)
31 = 50 µm multimode (OM2)
80 = 50 µm multimode (OM3)
90 = 50 µm multimode (OM4)
91 = 50 µm multimode (OM4+)
31 = Single-mode (OS2)
(Max. attenuation .65 / .65 / 0.5 dB/km)

9 Defines cable type.
- = DFX® cable construction

10 Defines special manufacturing code.
29 = No special requirements

RoHS COMPLIANT

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