

# Fan-Out Tight-Buffered, Indoor Cable, 2-24 Fibers, Plenum

CORNING

## Features and Benefits

### 900 µm Buffered Fibers

Easy, consistent stripping

### Flame-retardant jacket

Rugged and durable

### Temperature- and water-resistant

Superior protection

### All-dielectric cable construction

Requires no grounding or bonding

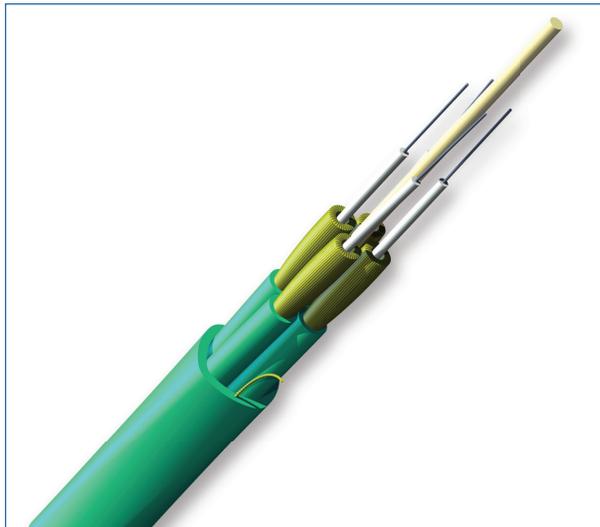
Outer jacket shrink back 8 percent on 2 fiber cables

## Standards

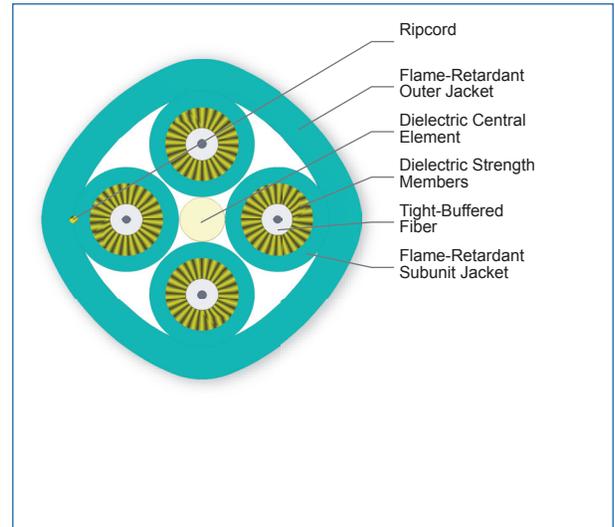
Listings	National Electrical Code® (NEC®) OFNP
Test Criteria	ICEA S-83-596
Design Criteria	CSA FT-6
Flame Resistance	NFPA 262 (for plenum, riser and general building applications)

Corning fan-out plenum cables are designed for use in building backbone and horizontal cabling. These multifiber cables use individually jacketed 900 µm TBII Buffered Fibers enabling easy, consistent stripping and facilitating termination. The fibers are stranded around a dielectric central member with a flame-retardant outer jacket, making this cable particularly useful for applications requiring direct connection to terminal equipment or requiring extra rugged cables.

*This cable is available in 12 different jacket colors – blue, orange, green, brown, slate, white, red, black, yellow, violet, rose and aqua. The colored jacket allows for easy visual identification of the cables. The standard jacket color will be determined by the dominant fiber type in the cable and will use the standard part numbers shown here. Contact Customer Care at 1-800-743-2675 to order other color options.*



Fan-Out Plenum Cables, 4 Fibers | Photo PIM1063



Fan-Out Plenum Cables, 4 Fibers | Photo PIM1961

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## Specifications

Temperature Range	
Storage	-40 °C to 70 °C (-40 °F to 158 °F)
Installation	0 °C to 60 °C (32 °F to 140 °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.

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

## 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	2.8/1.0	2.8/1.0	2.8/1.0	2.8/1.0
Serial 1 Gigabit Ethernet (m)	300/550	750/600	1000/600	1000/600	1100/600
Serial 10 Gigabit Ethernet (m)	33/-	150/-	300/-	550/-	600/-
Min. Overfilled Launch (OFL) Bandwidth (MHz*km)	200/500	700/500	1500/500	3500/500	3500/500
Minimum Effective Modal Bandwidth (EMB) (MHz*km)	220/-	950/-	2000/-	4700/-	5350/-

\* 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 Plug and Play™/EDGE™ systems solutions.

\* ITU-T G.652 D compliant.

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



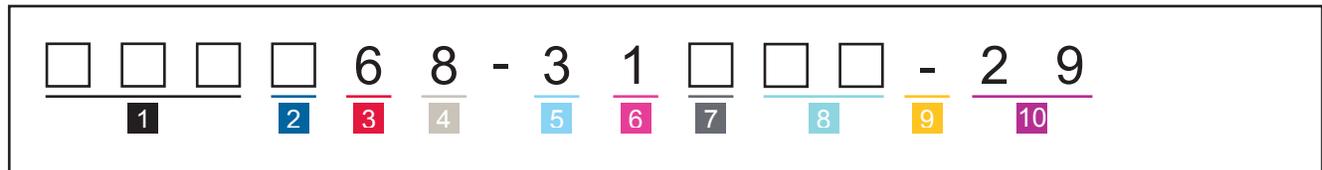
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Single-mode		
Fiber Name	SMF-28e <sup>®</sup> fiber	SMF-28 <sup>®</sup> Ultra fiber
Fiber Category	G.652.D	G.652.D/G.657.A1
Fiber Code	E	Z
Performance Option Code	31	31
Wavelengths (nm)	1310/1383/1550	1310/1383/1550
Maximum Attenuation (dB/km)	0.65/0.65/0.50	0.65/0.65/0.50

\* For more information on typical attenuation please see the Corning whitepaper at [http://csmedia.corning.com/opcomm//Resource\\_Documents/whitepapers\\_rl/LAN-1863-AEN.pdf](http://csmedia.corning.com/opcomm//Resource_Documents/whitepapers_rl/LAN-1863-AEN.pdf)

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



**1** Select fiber count.

Standard offerings:  
002 006 012 024  
004 008 016

**2** Select fiber code.

K = 62.5 μm multimode (OM1)  
T = 50 μm multimode (OM2/OM3/OM4/OM4+)  
E = Single-mode (OS2) SMF-28e+<sup>®</sup> fiber  
Z = Single-mode (OS2) SMF-28<sup>®</sup> ULTRA

**3** Defines cable type.

6 = Standard for fan-out cables

**4** Defines outer jacket.

8 = Standard for plenum

**5** Defines fiber placement.

3 = Standard

**6** Defines length markings.

1 = Markings in ft (standard)

**7** Select subunit size.

1 = 2.9 mm  
3 = 2.0 mm  
4 = 1.65 mm

**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.

- = Standard for fan-out cables

**10** Defines special requirements.

29 = No special requirements



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