

Reel In A Box, Single-Fiber Tight-Buffered Cable, Plenum

CORNING

Features and Benefits

"Countdown" print indicates available cable remaining on the reel providing easier inventory management

Stackable boxes make storage more manageable

Smaller reel offerings mean smaller cable lengths than would normally be available

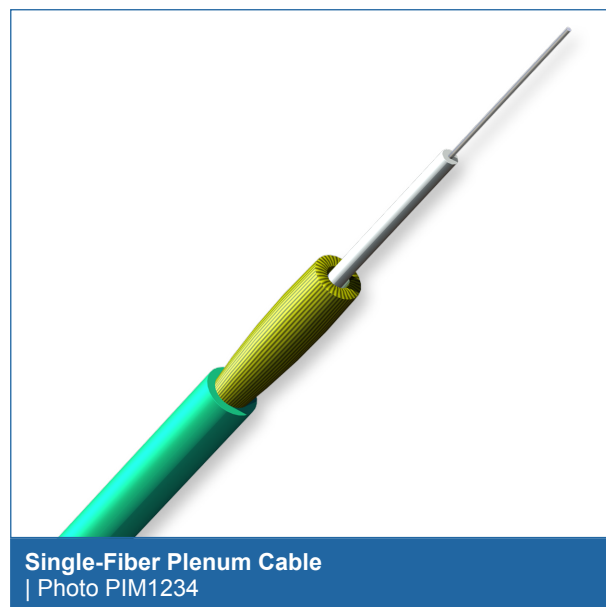
Cable cutting at Corning lowers operating expenses for our distributors and end users

Reel in a Box is Corning's innovative packaging solution for small reels of fiber optic cable in all inside plant applications, such as collocation data centers and wireless projects. This packaging solution provides features that enable our customers greater efficiencies than before.

Corning single-fiber cables are designed for interconnect applications. A 900 μm TBII® buffered fiber is surrounded by aramid yarn strength members and a flame-retardant jacket. Dielectric strength members offer mechanical durability and the flame-resistant jacket meet requirements of the National Electrical Code® (NEC®) Article 770.

Standards

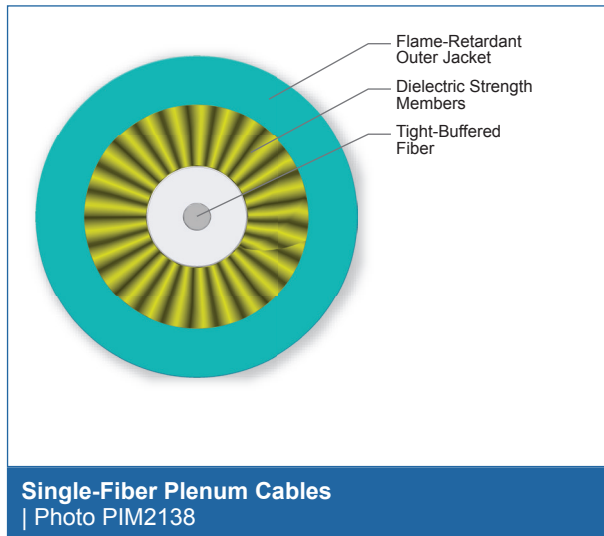
Approval and Listings	National Electrical Code® (NEC®) OFNP, CSA FT-6, ICEA S-83-596
Flame Resistance	NFPA 262 (for plenum, riser and general building applications)



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Specifications

Temperature Range	
Installation	-5 °C - 50 °C
Operation	-30 °C - 70 °C
Storage	-40 °C - 70 °C

* 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	Nominal Outer Diameter	Product Type	Max. Tensile Strength, Short-Term	Max. Tensile Strength, Long-Term	Min. Bend Radius Installation	Min. Bend Radius Operation	Weight
Multimode							
1	1.6 mm (0.06 in)	Interconnect	150 N (33 lbf)	45 N (10 lbf)	50 mm (2 in)	8 mm (0.3 in)	2.7 kg/km (1.8 lb/1000 ft)
1	2.9 mm (0.11 in)	Interconnect	220 N (50 lbf)	66 N (15 lbf)	50 mm (2 in)	15 mm (0.55 in)	7.4 kg/km (5 lb/1000 ft)
1	2.0 mm (0.08 in)	Interconnect	220 N (50 lbf)	66 N (15 lbf)	50 mm (2 in)	10 mm (0.4 in)	4.3 kg/km (2.9 lb/1000 ft)
Single-Mode							
1	1.6 mm (0.06 in)	Interconnect	150 N (33 lbf)	45 N (10 lbf)	50 mm (2 in)	25 mm (1 in)	2.7 kg/km (1.8 lb/1000 ft)

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Mechanical Characteristics Cable

Fiber Count	Nominal Outer Diameter	Product Type	Max. Tensile Strength, Short-Term	Max. Tensile Strength, Long-Term	Min. Bend Radius Installation	Min. Bend Radius Operation	Weight
1	2.9 mm (0.11 in)	Interconnect	220 N (50 lbf)	66 N (15 lbf)	50 mm (2 in)	25 mm (1 in)	7.4 kg/km (5 lb/1000 ft)
1	2.0 mm (0.08 in)	Interconnect	220 N (50 lbf)	66 N (15 lbf)	50 mm (2 in)	25 mm (1 in)	4.3 kg/km (2.9 lb/1000 ft)

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

Single-mode

Fiber Name	SMF-28e® fiber	ClearCurve® XB**
Fiber Category	G.652.D	G.652.D/G.657.A1
Fiber Code	E	H
Performance Option Code	31	31
Wavelengths (nm)	1310/1383/1550	1310/1383/1550
Maximum Attenuation (dB/km)	0.65/0.65/0.50	0.65/0.65/0.5

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

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

1 Defines fiber count.
001

2 Select fiber code.
K = 62.5 μ m multimode (OM1)
T = 50 μ m multimode (OM2/OM3/OM4/OM4+)
E = Single-mode (OS2) SMF-28e+® fiber
H = ClearCurve® XB Single-mode (OS2)

3 Defines cable type.
3 = Single-fiber cable

4 Defines outer jacket.
8 = Plenum

5 Defines fiber placement and markings.
31 = Single-fiber cable (feet markings)

6 Select diameter options.
1 = 2.9 mm
3 = 2.0 mm
4 = 1.6 mm

7 Select performance option code.
30 = 62.5 μ m multimode (OM1)
31 = 50 μ m multimode (OM2)
80 = 50 μ m multimode (OM3)
90 = 50 μ m multimode (OM4)
91 = 50 μ m multimode (OM4+)
31 = Single-mode (OS2)
(Max. attenuation 0.35/0.35/0.25 dB/km)

8 Defines cable type.
- = Single-fiber cable

9 Select reel length.
B1 = 500 ft (150 m)
B2 = 1000 ft (300 m)
B3 = 1500 ft (450 m)
B4 = 2000 ft (600 m)

Reel in a Box Shipping Dimensions (HxWxD)
39.37 x 39.37 x 38.73 cm – 15.5 x 15.5 x 15.25 in



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