

# Reel In A Box, Zipcord 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

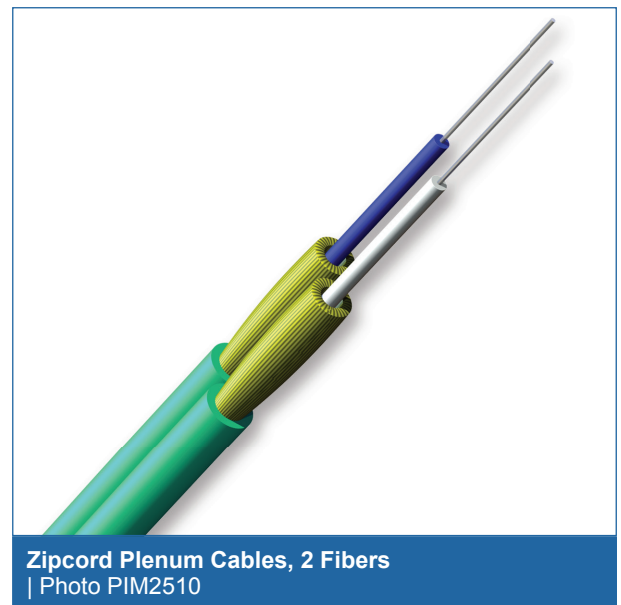
Cable cutting at Corning lowers operating expenses for our distributors and end users

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 zipcord cables are designed for interconnect applications. Two 900  $\mu\text{m}$  buffered fibers are surrounded by aramid yarn strength members and a flame-retardant jacket. This cable design offers mechanical durability and flame resistance that meet the requirements of the National Electrical Code® (NEC®) Article 770.

## Standards

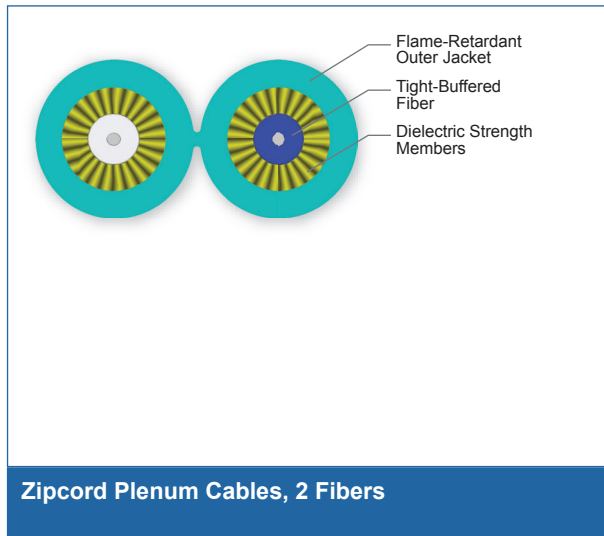
Approvals and Listings	National Electrical Code® (NEC®) OFNP, CSA FT-6, ICEA S-83-596
Flame Resistance	NFPA 262 (for plenum, riser and general building applications)



CORNING

# Reel In A Box, Zipcord Tight-Buffered Cable, Plenum

CORNING



## Specifications

### Temperature Range

Storage	-40 °C to 70 °C (-40 °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

Max. Tensile Strength, Short-Term	220 N (50 lbf)
Max. Tensile Strength, Long-Term	66 N (15 lbf)

Fiber Count	Nominal Outer Diameter	Min. Bend Radius Installation	Min. Bend Radius Operation	Weight	Product Type
Single-Mode					
2	1.6 mm x 3.3 mm (0.06 in x 0.13 in)	50 mm (2 in)	25 mm (1 in)	5 kg/km (3.5 lb/1000 ft)	Interconnect
2	2.0 mm x 4 mm (0.08 in x 0.16 in)	50 mm (2 in)	25 mm (1 in)	7.4 kg/km (5.2 lb/1000 ft)	Interconnect
2	2.8 mm x 5.6 mm (0.11 in x 0.22 in)	50 mm (2 in)	25 mm (1 in)	14.6 kg/km (10 lb/1000 ft)	Interconnect

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

CORNING

# Reel In A Box, Zipcord Tight-Buffered Cable, Plenum

CORNING

Fiber Count	Nominal Outer Diameter	Min. Bend Radius Installation	Min. Bend Radius Operation	Weight	Product Type
Multimode					
2	2.8 mm x 5.6 mm (0.11 in x 0.22 in)	50 mm (2 in)	14 mm (0.55 in)	14.6 kg/km (10 lb/1000 ft)	Interconnect
2	1.6 mm x 3.3 mm (0.06 in x 0.13 in)	50 mm (2 in)	8 mm (0.3 in)	5 kg/km (3.5 lb/1000 ft)	Interconnect
2	2.0 mm x 4 mm (0.08 in x 0.16 in)	50 mm (2 in)	10 mm (0.4 in)	7.4 kg/km (5.2 lb/1000 ft)	Interconnect

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

## 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/-

Notes: 1) 50 μm multimode fiber macrobend loss ≤ 0.2 dB at 850 nm for two turns around 7.5 mm radius mandrel.  
 2) Improved attenuation and bandwidth options available.  
 3) Bend-insensitive single-mode fibers available on request.  
 4) Contact a Corning Customer Care Representative for additional information.

CORNING

# Reel In A Box, Zipcord Tight-Buffered Cable, Plenum

CORNING

Single-mode		
Fiber Name	SMF-28e® fiber	SMF-28® 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

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

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

**1** Defines fiber count.  
002 = 2 fibers

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

**3** Defines cable type.  
5 = Zipcord

**4** Defines outer jacket.  
8 = Plenum

**5** Defines fiber placement and markings  
31 = Zipcord cable, 2-fiber, ft markings

**6** Select cable outside diameter.  
1 = 2.8 mm  
3 = 2.0 mm  
4 = 1.6 mm

**7** 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)

**8** Defines cable type.  
- = Zipcord

**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

*Note: 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 while still providing all of the required environmental protection of an indoor/outdoor cable jacket. Black is the standard jacket color using the part numbers shown here. Contact Customer Care at 1-800-743-2675 to order other color options.*

CORNING

# Reel In A Box, Zipcord Tight-Buffered Cable, Plenum

The Corning logo consists of a solid blue square with the word "CORNING" in white, uppercase, sans-serif font centered within it.

CORNING

## *Notes*



**Corning Optical Communications LLC • PO Box 489 • Hickory, NC 28603-0489 USA**

**800-743-2675 • FAX: 828-325-5060 • International: +1-828-901-5000 • [www.corning.com/opcomm](http://www.corning.com/opcomm)**

A complete listing of the trademarks of Corning Optical Communications is available at [www.corning.com/opcomm/trademarks](http://www.corning.com/opcomm/trademarks).

All other trademarks are the properties of their respective owners. Corning Optical Communications is ISO 9001 certified.

© 2016 Corning Optical Communications. All rights reserved.

The Corning logo consists of the word "CORNING" in a large, bold, uppercase, sans-serif font.