

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

2 F, Single-mode (OS2)

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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.

## Features and Benefits

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

Stackable boxes make storage more manageable

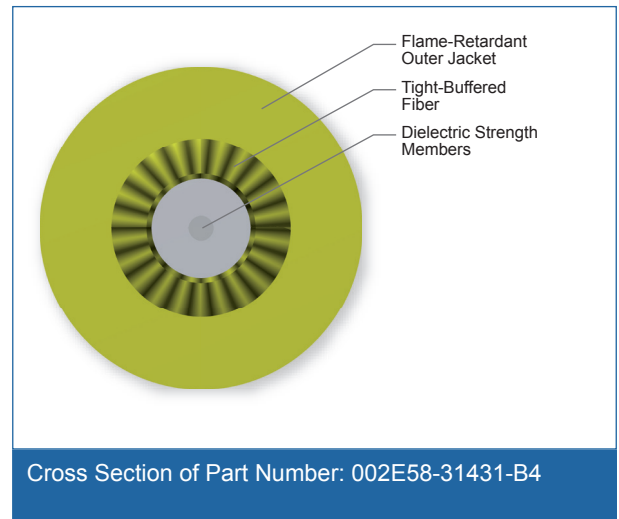
Smaller reel offerings mean smaller cable lengths than would normally be available

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

## 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)



## Specifications

General Specifications	
Environment	Indoor
Application	General Purpose Horizontal, Vertical Riser, Plenum
Cable Type	Tight-Buffered
Product Type	Interconnect

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## General Specifications

Flame Rating	Plenum (OFNP)
Fiber Category	Single-mode (OS2)
Fiber Length	600 m (2000 ft)

## Temperature Range

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

## Cable Design

Fiber Count	2
Tight Buffer Color	Blue, White
Tensile Strength Elements and/or Armoring - Layer 1	Dielectric strength members
Number of Subunits	2
Outer Jacket Material	Flame-retardant
Outer Jacket Color	Yellow

## Mechanical Characteristics Cable

Max. Tensile Strength, Short-Term	220 N (50 lbf)
Max. Tensile Strength, Long-Term	66 N (15 lbf)
Weight	5 kg/km (3.5 lb/1000 ft)
Nominal Outer Diameter	1.6 mm x 3.3 mm (0.06 in x 0.13 in)
Min. Bend Radius Installation	50 mm (2 in)
Min. Bend Radius Operation	25 mm (1 in)

## Chemical Characteristics

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
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## Fiber Specifications

### Optical Characteristics (cabled)

Fiber Name	SMF-28e® fiber
Fiber Category	G.652.D

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## Fiber Specifications

Optical Characteristics (cabled)	
Fiber Code	E
Performance Option Code	31
Wavelengths	1310 nm / 1383 nm / 1550 nm
Maximum Attenuation	0.4 dB/km / 0.4 dB/km / 0.4 dB/km

## Ordering Information

Part Number	002E58-31431-B4
Product Description	Reel in a Box, Zipcord Tight-Buffered Cable, Plenum, 2 F, 1.6 mm diameter, Single-mode (OS2)
EAN Code	4056418154251

## Shipping Information

Packaging Method	Reel In A Box
Dimensions (HxWxD)	39.37 cm x 39.37 cm x 38.73 cm (15.5 in x 15.5 in x 15.25 in)



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