

# Reel In A Box, MIC® Tight-Buffered Cable, Plenum

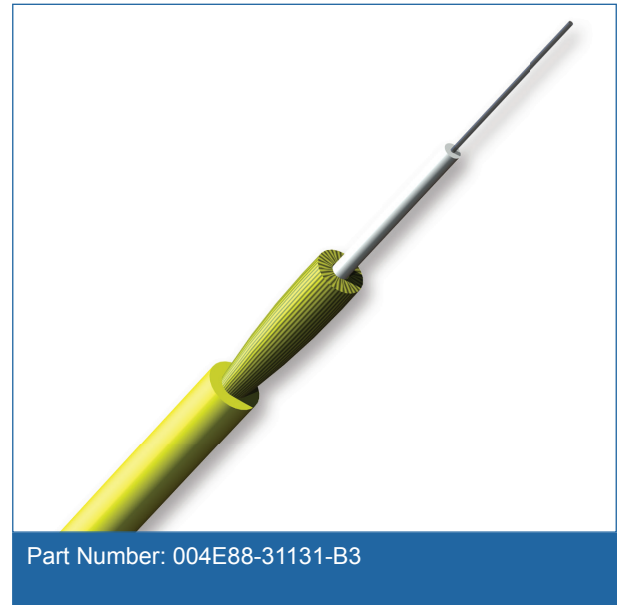
4 F, Single-mode (OS2)

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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 MIC® plenum cables are designed for use in plenum, riser and general purpose environments for intrabuilding backbone and horizontal installations. These multifiber cables use 900 µm buffered fibers to allow easy, consistent stripping and to facilitate termination. The fibers are surrounded by dielectric strength members and protected by a flame-retardant outer jacket.

The all-dielectric cable construction requires no grounding or bonding. MIC plenum cables are ideal for routing inside buildings, within plenum areas and riser shafts, to the telecommunications rooms and workstations. The MIC plenum cables meet the application requirements of the National Electrical Code® (NEC®) Article 770 and are OFNP and FT-6 listed.



## 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

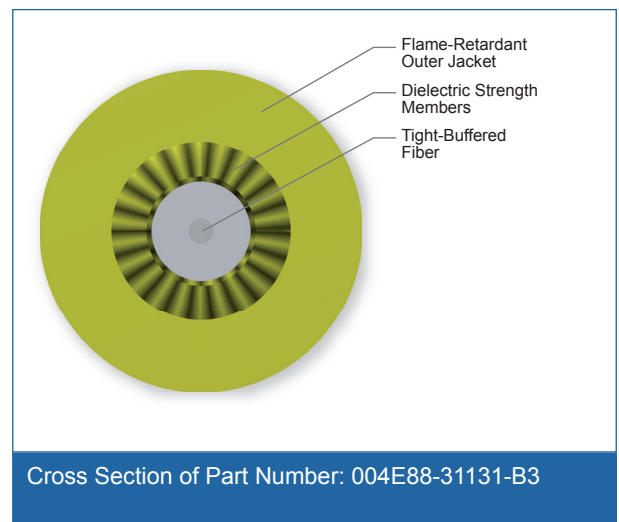
## Standards

### 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)



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## Specifications

### General Specifications

Environment	Indoor
Application	General Purpose Horizontal, Vertical Riser, Plenum
Cable Type	Tight-Buffered
Product Type	Distribution
Flame Rating	Plenum (OFNP)
Fiber Category	Single-mode (OS2)
Fiber Length	450 m (1500 ft)

### 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)

### Cable Design

Central Element	Yarn
Fiber Count	4
Tight Buffer Color	Blue, Orange, Green, Brown
Tensile Strength Elements and/or Armoring - Layer 1	Dielectric strength members
Outer Jacket Material	Flame-retardant
Outer Jacket Color	Yellow

### Mechanical Characteristics Cable

Max. Tensile Strength, Short-Term	440 N (100 lbf)
Max. Tensile Strength, Long-Term	132 N (30 lbf)
Nominal Outer Diameter	5.2 mm (0.21 in)
Weight	22.2 kg/km (14.9 lb/1000 ft)
Min. Bend Radius Installation	78 mm (3.1 in)
Min. Bend Radius Operation	52 mm (2.1 in)

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## Fiber Specifications

Optical Characteristics (cabled)	
Fiber Name	SMF-28e <sup>®</sup> fiber
Fiber Category	G.652.D
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	004E88-31131-B3
Product Description	Reel in a Box, MIC <sup>®</sup> Tight-Buffered Cable, Plenum, 4 F, Single-mode (OS2)
EAN Code	4056418152868

## 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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