

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

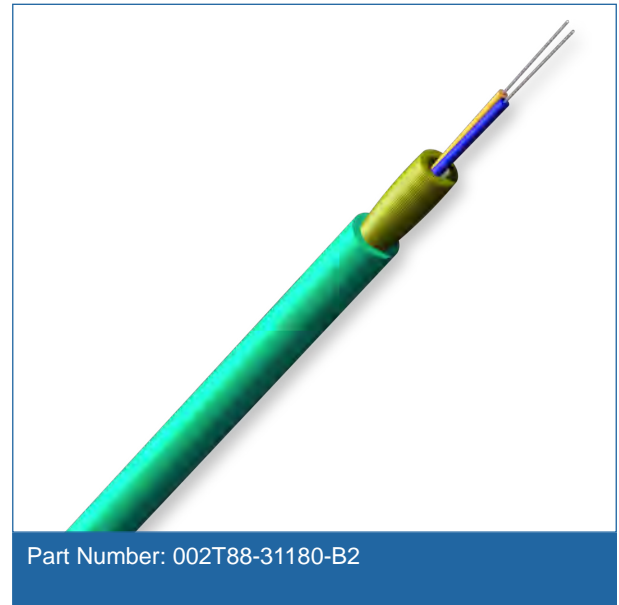
2 F, 50 μ m multimode (OM3)

CORNING

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 μ m TBI[®] 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

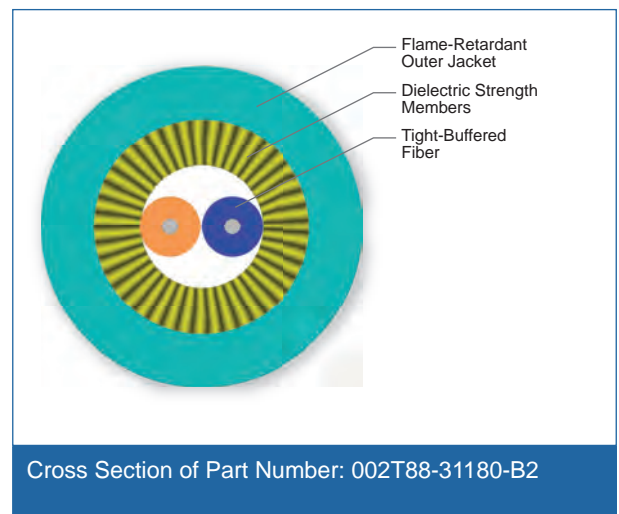
Standards

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 appli-
cations)



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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	50 µm MM (OM3)
Fiber Length	300 m (1000 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	2
Tight Buffer Color	Blue, Orange
Tensile Strength Elements and/or Armoring - Layer 1	Dielectric strength members
Outer Jacket Material	Flame-retardant
Outer Jacket Color	Aqua

Mechanical Characteristics Cable

Max. Tensile Strength, Short-Term	440 N (100 lbf)
Max. Tensile Strength, Long-Term	132 N (30 lbf)
Weight	21 kg/km (15 lb/1000 ft)
Nominal Outer Diameter	5 mm (0.2 in)
Min. Bend Radius Installation	75 mm (3 in)
Min. Bend Radius Operation	25 mm (1 in)

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Fiber Specifications

Optical Characteristics (cabled)	
Fiber Core Diameter	50 µm
Fiber Category	OM3
Fiber Code	T
Performance Option Code	80
Wavelengths	850 nm / 1300 nm
Maximum Attenuation	2.8 dB/km / 1.0 dB/km
Serial 1 Gigabit Ethernet	1000 m / 600 m
Serial 10 Gigabit Ethernet	300 m / -
Min. Overfilled Launch (OFL) Bandwidth	1500 MHz*km / 500 MHz*km
Minimum Effective Modal Bandwidth (EMB)	2000 MHz*km / -

Ordering Information

Part Number	002T88-31180-B2
Product Description	Reel in a Box, MIC [®] Tight-Buffered Cable, Plenum, 2 F, 50 µm multimode (OM3)

Shipping Information

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



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