

# Reel In A Box, MIC<sup>®</sup> Tight-Buffered Cable, Plenum

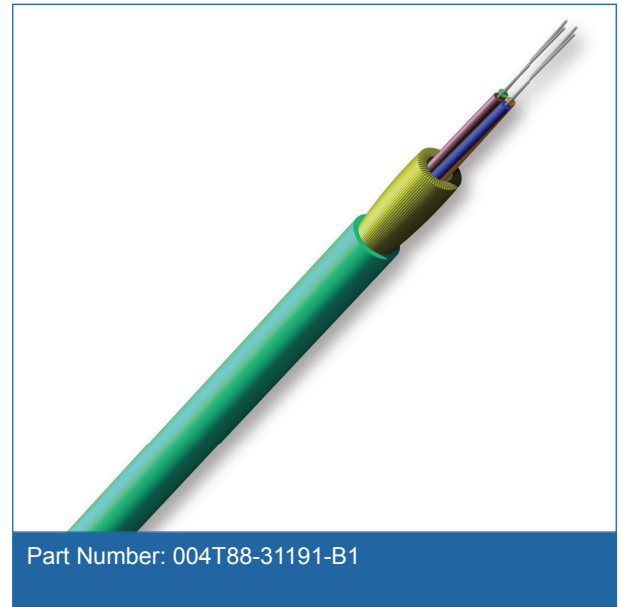
4 F, 50  $\mu$ m multimode, extended 10G distance (OM4)

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<sup>®</sup> plenum cables are designed for use in plenum, riser and general purpose environments for intrabuilding backbone and horizontal installations. These multifiber cables use 900  $\mu$ m 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<sup>®</sup> (NEC<sup>®</sup>) 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

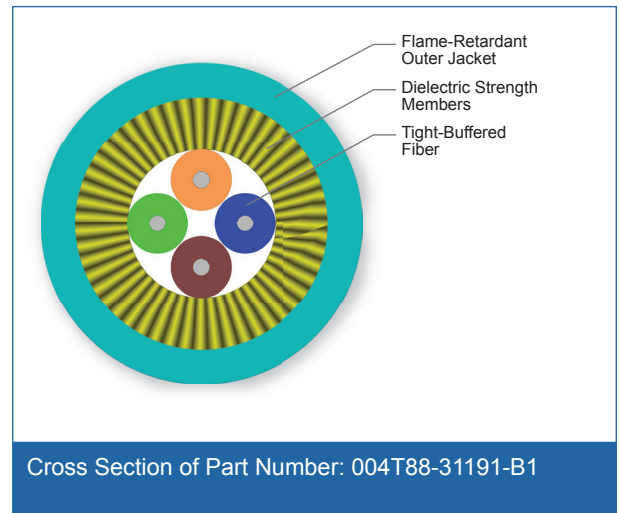
Smaller reel offerings mean smaller cable lengths than would normally be available

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

## Standards

**Approvals and Listings** National Electrical Code<sup>®</sup> (NEC<sup>®</sup>) 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         | 50 $\mu$ m MM (OM4+)                               |
| Fiber Length           | 150 m (500 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                                  | Aqua                        |

| 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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4 F, 50 µm multimode, extended 10G distance (OM4)



## Fiber Specifications

| Optical Characteristics (cabled)        |                          |
|---|--------------------------|
| Fiber Core Diameter                     | 50 µm                    |
| Fiber Category                          | OM4 Extended Distance    |
| Fiber Code                              | T                        |
| Performance Option Code                 | 91                       |
| Wavelengths                             | 850 nm / 1300 nm         |
| Maximum Attenuation                     | 2.8 dB/km / 1.0 dB/km    |
| Serial 1 Gigabit Ethernet               | 1100 m / 600 m           |
| Serial 10 Gigabit Ethernet              | 600 m / -                |
| Min. Overfilled Launch (OFL) Bandwidth  | 3500 MHz*km / 500 MHz*km |
| Minimum Effective Modal Bandwidth (EMB) | 5350 MHz*km / -          |

## Ordering Information

|                     |   |
|---------------------|---|
| Part Number         | 004T88-31191-B1   |
| Product Description | Reel in a Box, MIC <sup>®</sup> Tight-Buffered Cable, Plenum, 4 F, 50 µm multimode, extended 10G distance (OM4) |

## 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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