

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

2 F, 2.8 mm diameter, 50 µm multimode (OM4)

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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 µm 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

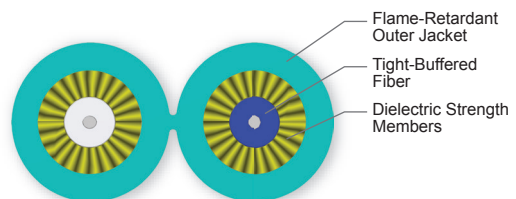
## Standards

**Approvals and Listings** National Electrical Code® (NEC®) OFNR, CSA FT-4, ICEA S-83-596

**Flame Resistance** UL-1666 (for riser and general building applications)



Part Number: 002T51-31190-B1



Cross Section of Part Number: 002T51-31190-B1

## Specifications

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

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## General Specifications

|                |                |
|----------------|----------------|
| Flame Rating   | Riser (OFNR)   |
| Fiber Category | 50 µm MM (OM4) |
| Fiber Length   | 150 m (500 ft) |

## Temperature Range

|           |                                    |
|-----------|------------------------------------|
| Storage   | -40 °C to 70 °C (-40 °F to 158 °F) |
| Operation | -20 °C to 70 °C (-4 °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                                  | Aqua                        |

## Mechanical Characteristics Cable

|                                   |                                     |
|-----------------------------------|-------------------------------------|
| Max. Tensile Strength, Short-Term | 220 N (50 lbf)                      |
| Max. Tensile Strength, Long-Term  | 66 N (15 lbf)                       |
| Weight                            | 12.8 kg/km (8.5 lb/1000 ft)         |
| Nominal Outer Diameter            | 2.8 mm x 5.6 mm (0.11 in x 0.22 in) |
| Min. Bend Radius Installation     | 50 mm (2 in)                        |
| Min. Bend Radius Operation        | 14 mm (0.55 in)                     |

## Chemical Characteristics

|      |   |
|------|---|
| RoHS | Free of hazardous substances according to RoHS 2011/65/EU |
|------|---|

## Fiber Specifications

### Optical Characteristics (cabled)

|                     |       |
|---------------------|-------|
| Fiber Core Diameter | 50 µm |
| Fiber Category      | OM4   |

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## Fiber Specifications

| Optical Characteristics (cabled)        |                          |
|---|--------------------------|
| Fiber Code                              | T                        |
| Performance Option Code                 | 90                       |
| 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              | 550 m / -                |
| Min. Overfilled Launch (OFL) Bandwidth  | 3500 MHz*km / 500 MHz*km |
| Minimum Effective Modal Bandwidth (EMB) | 4700 MHz*km / -          |

## Ordering Information

|                     |   |
|---------------------|---|
| Part Number         | 002T51-31190-B1   |
| Product Description | Reel in a Box, Zipcord Tight-Buffered Cable, Riser, 2 F, 2.8 mm diameter, 50 µm multimode (OM4) |
| EAN Code            | 4056418153810   |

## 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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