

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

2 F, 2.8 mm diameter, 50  $\mu$ m multimode, extended 10G distance (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  $\mu$ 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

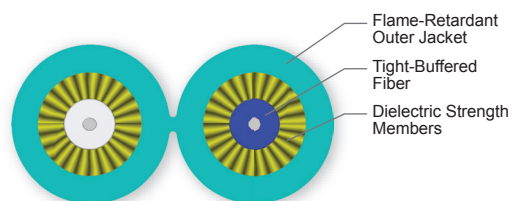
## Standards

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

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



Part Number: 002T51-31191-B3



Cross Section of Part Number: 002T51-31191-B3

## 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	450 m (1500 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
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## Fiber Specifications

### Optical Characteristics (cabled)

Fiber Core Diameter	50 µm
Fiber Category	OM4 Extended Distance

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## Fiber Specifications

Optical Characteristics (cabled)	
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	002T51-31191-B3
Product Description	Reel in a Box, Zipcord Tight-Buffered Cable, Riser, 2 F, 2.8 mm diameter, 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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