

# Reel In A Box, Zipcord Tight-Buffered Cable, Plenum 2 F, 50 μm multimode, extended 10G distance (OM4)



**Part Number:**  
**002T58-31491-B6**

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.

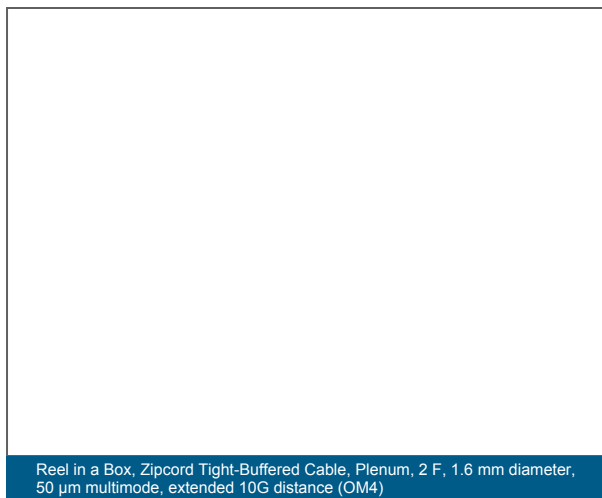
## Features and Benefits

“Countdown” print indicates available cable remaining on the reel providing easier inventory management

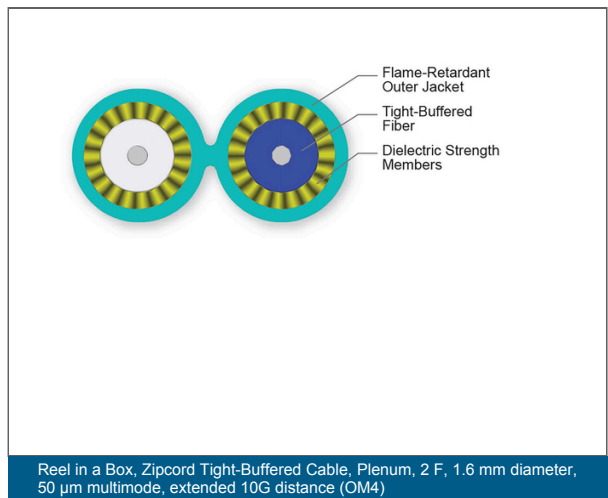
Stackable boxes make storage more manageable

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



Reel in a Box, Zipcord Tight-Buffered Cable, Plenum, 2 F, 1.6 mm diameter, 50 μm multimode, extended 10G distance (OM4)



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## Specifications

General Specifications	
Installation Methods	Horizontal, Plenum, Riser
Cable Type	Tight-Buffered
Environment	Indoor
Product Type	Interconnect
Fiber Category	50 µm MM (OM4+)
Flame Rating	Plenum (OFNP)
Cable geometry	Round

Standards	
RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Approvals and Listings	National Electrical Code® (NEC®) OFNP, CSA FT-6
Design and Test Criteria	ICEA S-83-596

Environmental Conditions	
Temperature Range, Operation	0 °C to 70 °C (32 °F to 158 °F )
Temperature Range, Storage	-40 °C to 70 °C (-40 °F to 158 °F )

Cable Design	
Fiber Count	2
Outer Jacket Color	Aqua
Outer Jacket Material	Flame-retardant
Tensile Strength Elements and/or Armoring - Layer 1	Dielectric strength members
Number of Subunits	2
Tight Buffer Color	Blue, White
Flame Rating	Plenum (OFNP)

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## Mechanical Specifications

Max. Tensile Strength, Short-Term	220 N (49.46 lbf)
Min. Bend Radius Installation	50 mm (1.97 in)
Min. Bend Radius Operation	8 mm (0.31 in)

## Optical Characteristics

Fiber Code	T
Performance Option Code	91
Fiber Category	OM4 Extended Distance
Fiber Type	Multimode
Fiber Name	50 µm MM (OM4+)
Maximum Attenuation	2.8 dB/km / 1.0 dB/km
Wavelengths	850 nm / 1300 nm
Fiber Compliance	IEC 60793-2-10
Fiber Core Diameter	50 µm
Serial 1 Gigabit Ethernet	1100 m / 600 m
Serial 10 Gigabit Ethernet	600 m / -
Minimum Effective Modal Bandwidth (EMB)	5350 MHz*km / -
Min. Overfilled Launch (OFL) Bandwidth	3500 MHz*km / 500 MHz*km

## Dimensions

Cable Weight	5 kg/km (3.36 lb/1000 ft)
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## Shipping Dimensions

Height	393.7 cm
Width	393.7 cm
Depth	387.3 cm

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Ordering Information	
Product Number	002T58-31491-B6
Packaging Method	Reel in a Box



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