

# Zipcord Tight-Buffered Cable, Riser 2 F, 2.0 mm diameter, SMF-28® Ultra, Single-mode (OS2)

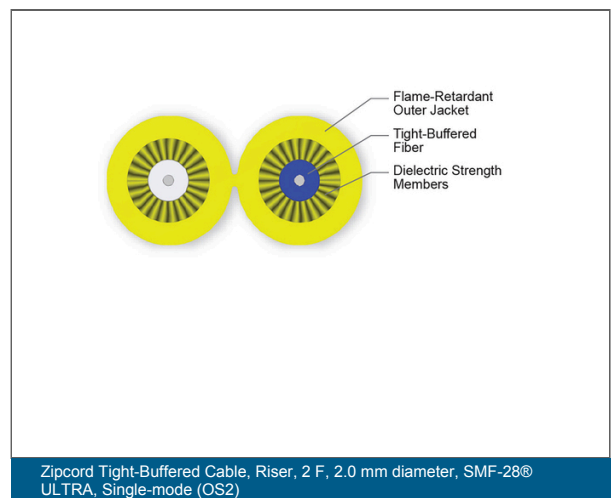
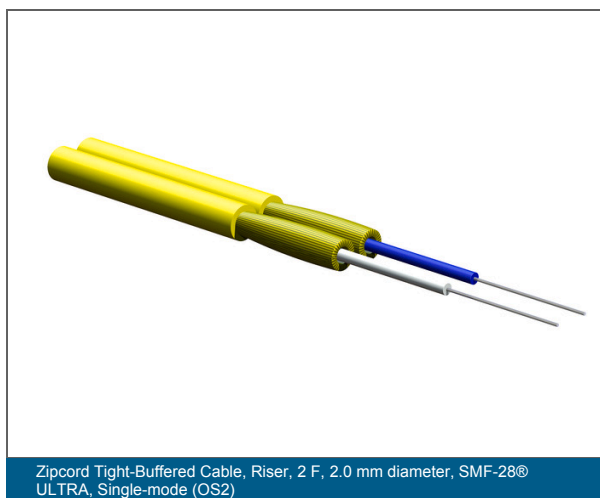


**Part Number:**  
**002Z51-31331-24**

Corning zipcord cables are designed for interconnect applications, with two 900- $\mu$ m buffered fibers surrounded by aramid yarn strength members and a flame-retardant jacket. This cable offers mechanical durability and flame resistance that meet the National Electric Code® (NEC®) Article 770 requirements. The cable is available in 12 different jacket colors – blue, orange, green, brown, slate, white, red, black, yellow, violet, rose, and aqua. The color-coded jacket allows for easy visual identification of the cables. The standard jacket color will be determined by the dominant fiber type in the cable and will use the standard part numbers shown here.

## Features and Benefits

**All-dielectric strength member**  
Mechanical durability



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## Specifications

General Specifications	
Installation Methods	Horizontal, Riser
Cable Type	Tight-Buffered
Environment	Indoor
Product Type	Interconnect
Fiber Category	Single-mode (OS2)
Flame Rating	Riser (OFNR)
Cable geometry	Round

Standards	
RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Approvals and Listings	National Electrical Code® (NEC®) OFNR, UL-1666, CSA FT-4
Design and Test Criteria	ICEA S-83-596

Environmental Conditions	
Temperature Range, Installation	0 °C to 60 °C (32 °F to 140 °F )
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	Yellow
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

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## Cable Design

Flame Rating	Riser (OFNR)
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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	10 mm (0.39 in)
Nominal Outer Diameter	2 mmx 4.45 mm (0.08 inx 0.18 in )

## Optical Characteristics

Fiber Code	Z
Performance Option Code	31
Fiber Category	OS2
Fiber Type	Single-mode (OS2) / 250 µm
Fiber Name	Bend-Improved Single-mode (OS2)
Maximum Attenuation	0.4 dB/km / 0.4 dB/km / 0.4 dB/km
Wavelengths	1310 nm / 1383 nm / 1550 nm
Fiber Compliance	ITU-T G.652.D and ITU-T G.657.A1

## Dimensions

Cable Weight	74 kg/km (49.73 lb/1000 ft)
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