

# Zipcord Tight-Buffered Cable, Riser

2 F, 2.8 mm diameter, Single-mode (OS2)

CORNING

Corning Cable Systems Zipcord Cables are designed for interconnect applications. Two 900 µm TBII® 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.

This cable is available in 12 different jacket colors - blue, orange, green, brown, slate, white, red, black, yellow, purple, rose and aqua. The colored 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. Contact Customer Care at 1-800-743-2675 to order other color options.

## Features and Benefits

### Meets NEC requirements

Meets burn test criteria

### All-dielectric strength member

Mechanical durability

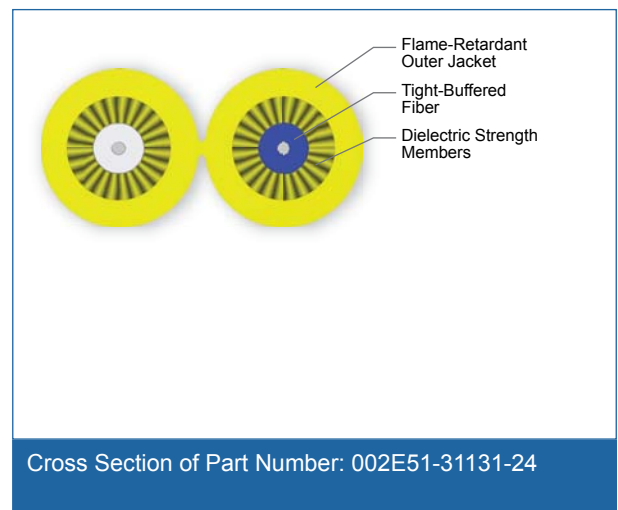
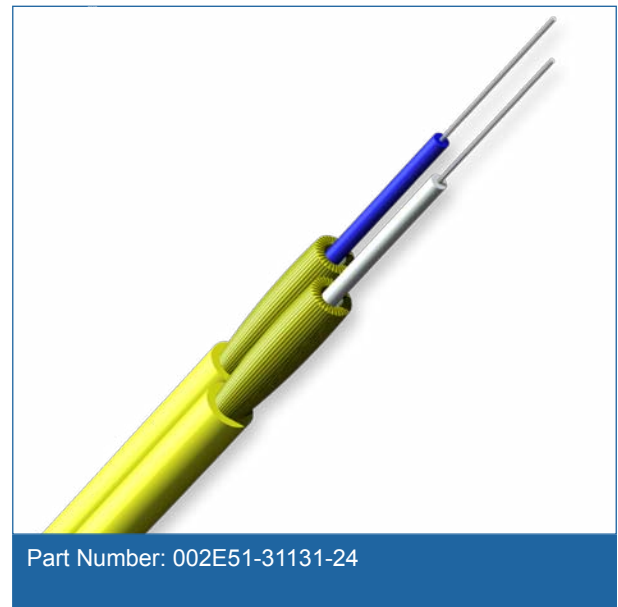
## Standards

### Approval and Listings

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

### Flame Resistance

UL-1666 (for riser and general building applications)



# Zipcord Tight-Buffered Cable, Riser

2 F, 2.8 mm diameter, Single-mode (OS2)

CORNING

## Specifications

General Specifications	
Environment	Indoor
Application	General Purpose Horizontal, Vertical Riser
Cable Type	Tight-Buffered
Product Type	Interconnect
Flame Rating	Riser (OFNR)
Fiber Category	Single-mode (OS2)

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	Yellow

Mechanical Characteristics Cable	
Max. Tensile Strengths, Short-Term	220 N (50 lbf)
Max. Tensile Strengths, 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	25 mm (1 in)

Chemical Characteristics	
RoHS	Free of hazardous substances according to RoHS 2002/95/EG

# Zipcord Tight-Buffered Cable, Riser

2 F, 2.8 mm diameter, Single-mode (OS2)



## Fiber Specifications

Optical Characteristics (cabled)	
Fiber Core Diameter	8.2 $\mu$ m
Fiber Type	Single-mode
Fiber Category	OS2
Fiber Code	E
Performance Option Code	31
Wavelengths	1310 nm / 1383 nm / 1550 nm
Maximum Attenuation	0.65 dB/km / 0.65 dB/km / 0.5 dB/km
Serial 1 Gigabit Ethernet	5000 m / - / -
Serial 10 Gigabit Ethernet	10000 m / - / 40000 m

\* ITU-T G.652 D compliant

- Notes:
- 1) Improved attenuation and bandwidth options available
  - 2) Bend-insensitive single-mode fibers available on request
  - 3) Contact a Corning Cable Systems Customer Care Representative for additional information

## Ordering Information

Part Number	002E51-31131-24
Product Description	Zipcord Tight-Buffered Cable, Riser, 2 F, 2.8 mm diameter, Single-mode (OS2)



Corning Cable Systems LLC • PO Box 489 • Hickory, NC 28603-0489 USA

800-743-2675 • FAX: 828-325-5060 • International: +1-828-901-5000 • [www.corning.com/cablesystems](http://www.corning.com/cablesystems)

A complete listing of the trademarks of Corning Cable Systems is available at [www.corning.com/cablesystems/trademarks](http://www.corning.com/cablesystems/trademarks).

Corning Cable Systems is ISO 9001 certified. © 2012 Corning Cable Systems. All rights reserved.

