

# Single-Fiber Tight-Buffered Cable, Riser

2.9 mm diameter, 50  $\mu$ m multimode (OM2)

CORNING

Corning single-fiber cables are designed for interconnect applications. A 900  $\mu$ m buffered fiber is surrounded by aramid yarn strength members and a flame-retardant jacket. Dielectric strength members offer mechanical durability and the flame-resistant jacket meet 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, violet, 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

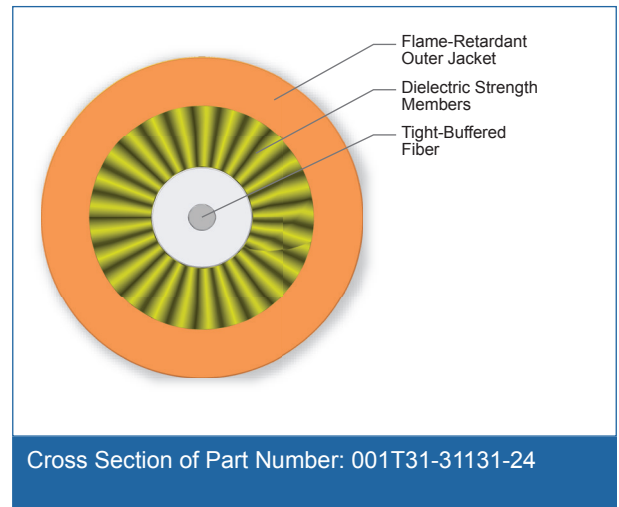
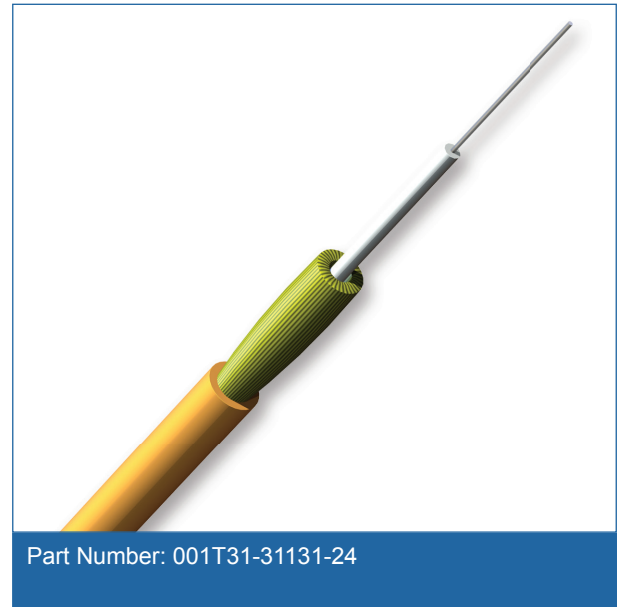
## Standards

### Listings

National Electrical Code® (NEC®) OFNR, FT-4

### Design and Test Criteria

UL-1666 and CSA FT-4 (for riser and general building applications); ICEA S-83-596



## Specifications

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

CORNING

# Single-Fiber Tight-Buffered Cable, Riser

2.9 mm diameter, 50 µm multimode (OM2)

CORNING

## General Specifications

Flame Rating	Riser (OFNR)
Fiber Category	50 µm MM (OM2)

## Temperature Range

Storage	-40 °C to 70 °C (-40 °F to 158 °F)
Operation	0 °C to 70 °C (32 °F to 158 °F)

## Cable Design

Fiber Count	1
Tight Buffer Color	White
Tensile Strength Elements and/or Armoring - Layer 1	Dielectric strength members
Outer Jacket Material	Flame-retardant
Outer Jacket Color	Orange

## Mechanical Characteristics Cable

Nominal Outer Diameter	2.9 mm (0.11 in)
Weight	6.5 kg/km (4.4 lb/1000 ft)
Max. Tensile Strength, Short-Term	220 N (50 lbf)
Max. Tensile Strength, Long-Term	66 N (15 lbf)
Min. Bend Radius Installation	43.5 mm (1.7 in)
Min. Bend Radius Operation	7.5 mm (0.30 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	OM2
Fiber Code	T
Performance Option Code	31

# Single-Fiber Tight-Buffered Cable, Riser

2.9 mm diameter, 50 µm multimode (OM2)



## Fiber Specifications

Optical Characteristics (cabled)	
Wavelengths	850 nm / 1300 nm
Maximum Attenuation	2.8 dB/km / 1.0 dB/km
Serial 1 Gigabit Ethernet	750 m / 600 m
Serial 10 Gigabit Ethernet	150 m / -
Min. Overfilled Launch (OFL) Bandwidth	700 MHz*km / 500 MHz*km
Minimum Effective Modal Bandwidth (EMB)	950 MHz*km / -

## Ordering Information

Part Number	001T31-31131-24
Product Description	Single-Fiber Tight-Buffered Cable, Riser, 2.9 mm diameter, 50 µm multimode (OM2)
EAN Code	4056418180984



Corning Optical Communications LLC • PO Box 489 • Hickory, NC 28603-0489 USA

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

A complete listing of the trademarks of Corning Optical Communications is available at [www.corning.com/opcomm/trademarks](http://www.corning.com/opcomm/trademarks).

All other trademarks are the properties of their respective owners. Corning Optical Communications is ISO 9001 certified.

© 2016 Corning Optical Communications. All rights reserved.

