

# Zipcord Tight-Buffered Cable, Plenum

2 F, 50  $\mu$ m multimode (OM4)

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Corning Cable Systems Zipcord Cables are designed for interconnect applications. Two 900  $\mu$ m 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

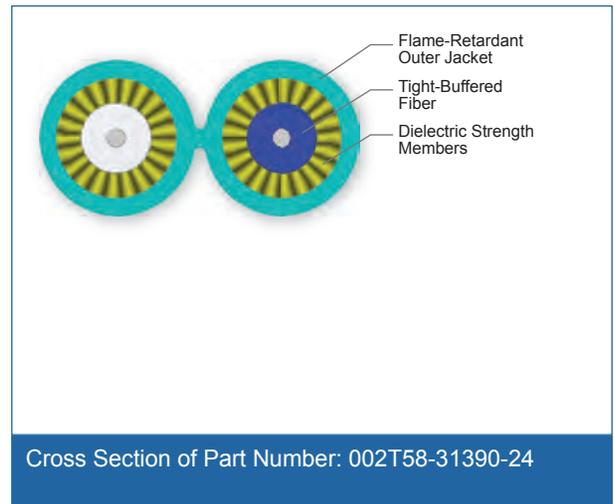
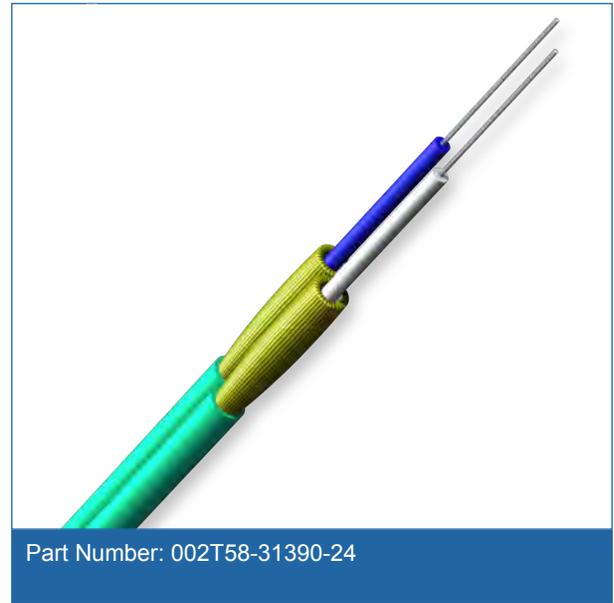
## Standards

### Approval and Listings

National Electrical Code® (NEC®) OFNP, CSA FT-6, ICEA S-83-596

### Flame Resistance

NFPA 262 (for plenum, riser and general building applications)



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## Specifications

### General Specifications

Environment	Indoor
Application	General Purpose Horizontal, Vertical Riser, Plenum
Cable Type	Tight-Buffered
Product Type	Interconnect
Flame Rating	Plenum (OFNP)
Fiber Category	50 µm MM (OM4)

### 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	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 Strengths, Short-Term	220 N (50 lbf)
Max. Tensile Strengths, Long-Term	66 N (15 lbf)
Weight	7.4 kg/km (5.2 lb/1000 ft)
Nominal Outer Diameter	2 mm x 4 mm (0.08 in x 0.16 in)
Min. Bend Radius Installation	50 mm (2 in)
Min. Bend Radius Operation	10 mm (0.4 in)

### Chemical Characteristics

RoHS	Free of hazardous substances according to RoHS 2002/95/EG
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## Fiber Specifications

Optical Characteristics (cabled)	
Fiber Type	Multimode
Fiber Core Diameter	50 $\mu$ m
Fiber Category	OM4
Fiber Code	T
Performance Option Code	90
Wavelengths	850 nm / 1300 nm
Maximum Attenuation	2.8 dB/km / 1 dB/km
Min. Overfilled Launch (OFL) Bandwidth	3500 MHz*km / 500 MHz*km
Minimum Effective Modal Bandwidth (EMB)	4700 MHz*km / -
Serial 1 Gigabit Ethernet	1100 m / 600 m
Serial 10 Gigabit Ethernet	550 m / -

\* Assumes 1.0 dB maximum total connector/splice loss.

\* Meets 0.75 ns optical skew when used in all Corning Cable Systems Plug & Play™/Pretium EDGE® Systems Solutions.

Notes: 1) 50  $\mu$ m multimode fiber macrobend loss  $\leq$  0.2 dB at 850 nm for two turns around 7.5 mm radius mandrel.  
2) Improved attenuation and bandwidth options available.  
3) Bend-insensitive single-mode fibers available on request.  
4) Contact a Corning Cable Systems Customer Care Representative for additional information.

## Ordering Information

Part Number	002T58-31390-24
Product Description	Zipcord Tight-Buffered Cable, Plenum, 2 F, 2.0 mm diameter, 50 $\mu$ m multimode (OM4)



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