

# Zipcord Tight-Buffered Cable, Plenum

2 F, 50  $\mu$ m multimode (OM3)

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Corning zipcord cables are designed for interconnect applications. Two 900  $\mu$ m 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, 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

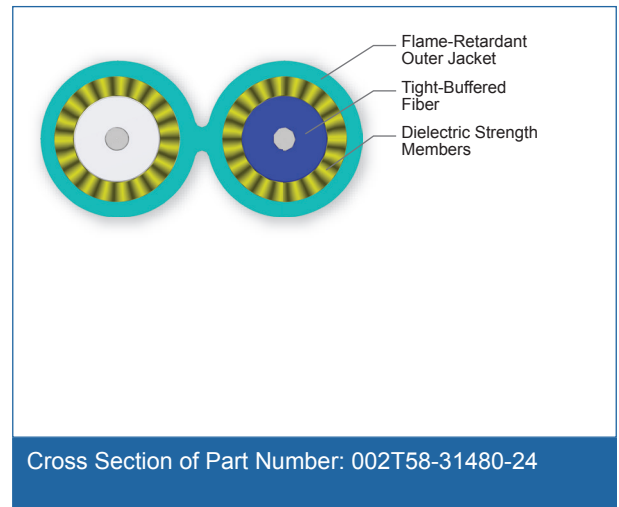
## Standards

### Listings

National Electrical Code® (NEC®) OFNP, FT-6

### Design and Test Criteria

NFPA 262 and CSA FT-6 (for plenum, riser and general building applications); ICEA S-83-596



## Specifications

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

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## General Specifications

|                |                     |
|----------------|---------------------|
| Flame Rating   | Plenum (OFNP)       |
| Fiber Category | 50 $\mu$ m MM (OM3) |

## 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 Strength, Short-Term | 220 N (50 lbf)                      |
| Max. Tensile Strength, Long-Term  | 66 N (15 lbf)                       |
| Weight                            | 5 kg/km (3.5 lb/1000 ft)            |
| Nominal Outer Diameter            | 1.6 mm x 3.3 mm (0.06 in x 0.13 in) |
| Min. Bend Radius Installation     | 50 mm (2 in)                        |
| Min. Bend Radius Operation        | 8 mm (0.3 in)                       |

## Chemical Characteristics

|      |   |
|------|---|
| RoHS | Free of hazardous substances according to RoHS 2011/65/EU |
|------|---|

## Fiber Specifications

### Optical Characteristics (cabled)

|                     |            |
|---------------------|------------|
| Fiber Core Diameter | 50 $\mu$ m |
| Fiber Category      | OM3        |
| Fiber Code          | T          |

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2 F, 50 µm multimode (OM3)



## Fiber Specifications

| Optical Characteristics (cabled)        |                          |
|---|--------------------------|
| Performance Option Code                 | 80                       |
| Wavelengths                             | 850 nm / 1300 nm         |
| Maximum Attenuation                     | 2.8 dB/km / 1.0 dB/km    |
| Serial 1 Gigabit Ethernet               | 1000 m / 600 m           |
| Serial 10 Gigabit Ethernet              | 300 m / -                |
| Min. Overfilled Launch (OFL) Bandwidth  | 1500 MHz*km / 500 MHz*km |
| Minimum Effective Modal Bandwidth (EMB) | 2000 MHz*km / -          |

## Ordering Information

|                     |   |
|---------------------|---|
| Part Number         | 002T58-31480-24   |
| Product Description | Zipcord Tight-Buffered Cable, Plenum, 2 F, 1.6 mm diameter, 50 µm multimode (OM3) |
| EAN Code            | 4056418182131   |



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