

# DFX<sup>®</sup> Cable, Plenum

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

CORNING

Corning DFX<sup>®</sup> cables have two 900  $\mu\text{m}$  tight-buffered fibers surrounded by aramid yarn strength members in a flexible flame-retardant jacket. These cables meet the application requirements of the National Electrical Code<sup>®</sup> (NEC<sup>®</sup>) Article 770 and are OFNP and FT-6 listed. DFX cables are ideal for interconnect applications.

## Features and Benefits

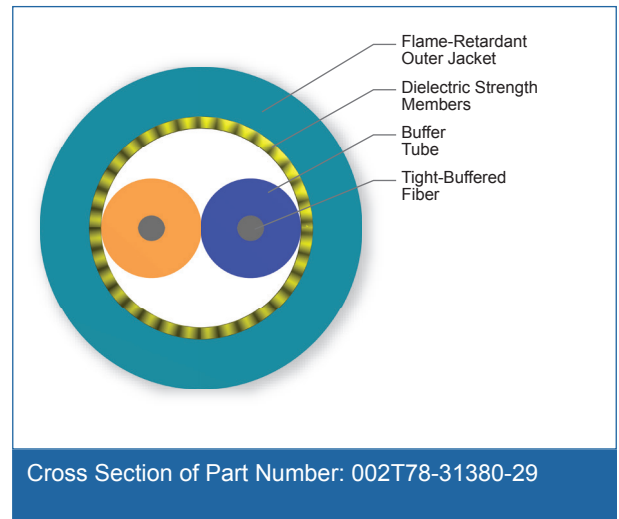
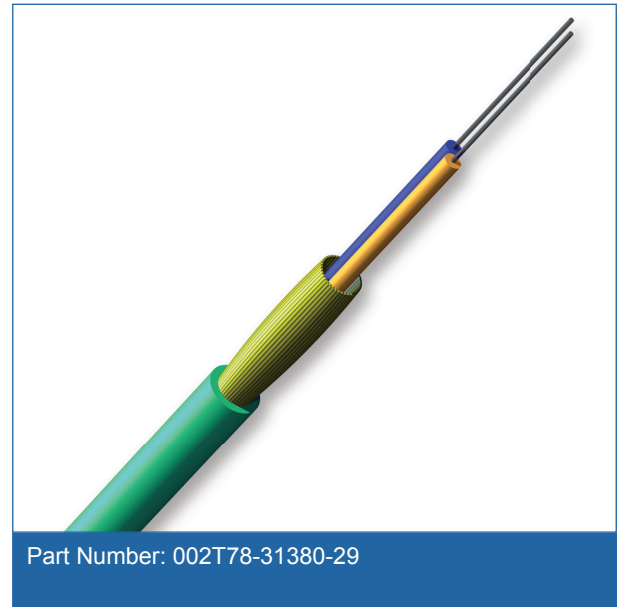
**Two 900  $\mu\text{m}$  tight-buffered fibers**  
Small 2.9 mm package

**Flexible 2-fiber cable**  
High-density interconnect applications

## Standards

**Approvals and Listings** National Electrical Code<sup>®</sup>  
(NEC<sup>®</sup>) OFNP, CSA FT-6

**Design and Test Criteria** ANSI/ICEA S-83-596,  
Telcordia GR-409,  
NFPA-262



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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 (OM3)                                     |

### Temperature Range

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

### Cable Design

|   |                             |
|---|-----------------------------|
| Fiber Count   | 2                           |
| Tight Buffer Color                                  | Blue, Orange                |
| Tensile Strength Elements and/or Armoring - Layer 1 | Dielectric strength members |
| Outer Jacket Material                               | Flame-retardant             |
| Outer Jacket Color                                  | Aqua                        |

### Mechanical Characteristics Cable

|                                   |                              |
|-----------------------------------|------------------------------|
| Max. Tensile Strength, Short-Term | 100 N (22 lbf)               |
| Max. Tensile Strength, Long-Term  | 50 N (11 lbf)                |
| Min. Bend Radius Installation     | 50 mm (2 in)                 |
| Min. Bend Radius Operation        | 30 mm (1.2 in)               |
| Weight                            | 8.67 kg/km (5.82 lb/1000 ft) |
| Nominal Outer Diameter            | 2.9 mm (0.1 in)              |

### Chemical Characteristics

|      |   |
|------|---|
| RoHS | Free of hazardous substances according to RoHS 2002/95/EG |
|------|---|

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## Fiber Specifications

| Optical Characteristics (cabled)        |                          |
|---|--------------------------|
| Fiber Core Diameter                     | 50 µm                    |
| Fiber Category                          | OM3                      |
| Fiber Code                              | T                        |
| Performance Option Code                 | 80                       |
| Wavelengths                             | 850 nm / 1300 nm         |
| Maximum Attenuation                     | 3.0 dB/km / 1.0 dB/km    |
| Serial 1 Gigabit Ethernet               | 1500 m / 500 m           |
| Serial 10 Gigabit Ethernet              | 2000 m / -               |
| Min. Overfilled Launch (OFL) Bandwidth  | 1000 MHz*km / 600 MHz*km |
| Minimum Effective Modal Bandwidth (EMB) | 300 MHz*km / -           |

## Ordering Information

|                     |  |
|---------------------|--|
| Part Number         | 002T78-31380-29  |
| Product Description | DFX <sup>®</sup> Cable, Plenum, 2 F, 50 µm multimode (OM3) |
| EAN Code            | 4056418173115  |



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