

# DFX<sup>®</sup> Cable, Plenum

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

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

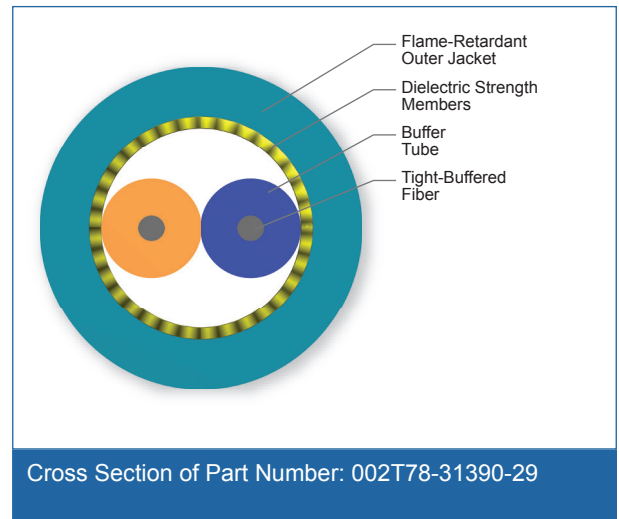
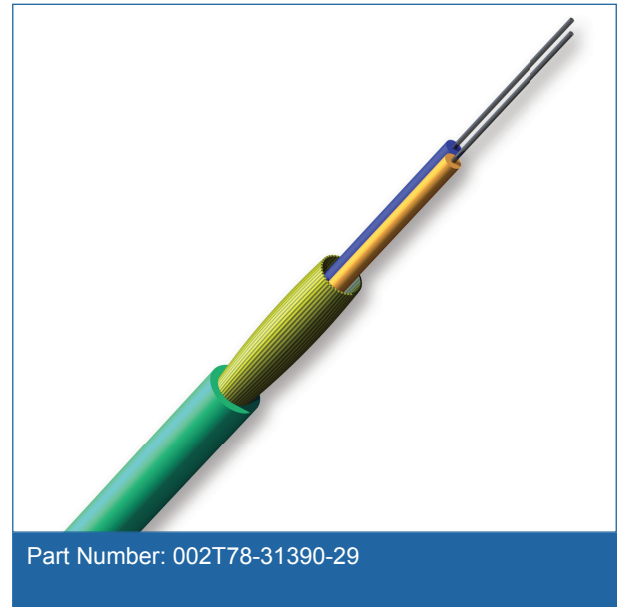
**Two 900  $\mu\text{m}$  tight-buffered fibers**  
Small 2.9 mm package

**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



# DFX<sup>®</sup> Cable, Plenum

2 F, 50 µm multimode (OM4)

CORNING

## 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)
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
------	---

# DFX<sup>®</sup> Cable, Plenum

2 F, 50 µm multimode (OM4)

CORNING

## Fiber Specifications

Optical Characteristics (cabled)	
Fiber Core Diameter	50 µm
Fiber Category	OM4
Fiber Code	T
Performance Option Code	90
Wavelengths	850 nm / 1300 nm
Maximum Attenuation	3.0 dB/km / 1.0 dB/km
Serial 1 Gigabit Ethernet	1000 m / 600 m
Serial 10 Gigabit Ethernet	550 m / -
Min. Overfilled Launch (OFL) Bandwidth	3500 MHz*km / 500 MHz*km
Minimum Effective Modal Bandwidth (EMB)	4700 MHz*km / -

## Ordering Information

Part Number	002T78-31390-29
Product Description	DFX <sup>®</sup> Cable, Plenum, 2 F, 50 µm multimode (OM4)
EAN Code	4056418173122



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.

CORNING