

DFX[®] Cable, Plenum

2 F, 50 μm multimode, extended 10G distance (OM4)

CORNING

Corning DFX[®] cables have two 900 μm 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[®] (NEC[®]) Article 770 and are OFNP and FT-6 listed. DFX cables are ideal for interconnect applications.

Features and Benefits

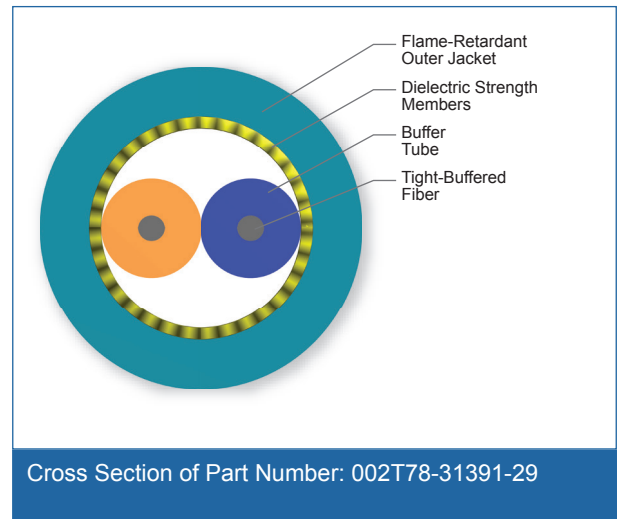
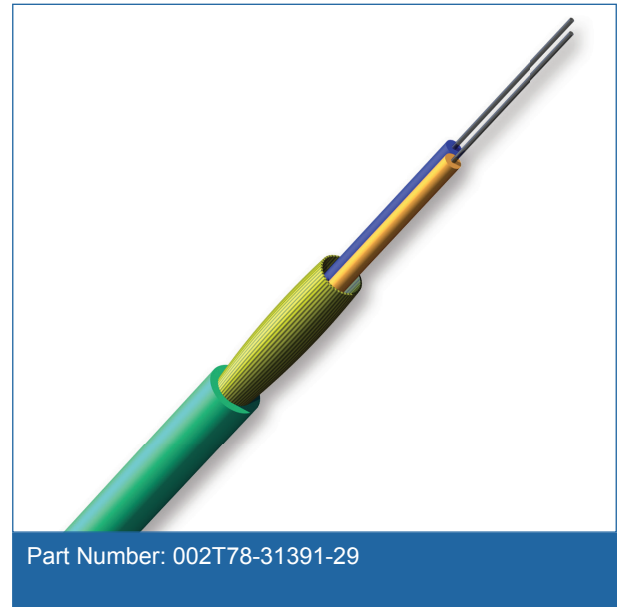
Two 900 μm tight-buffered fibers
Small 2.9 mm package

Flexible 2-fiber cable
High-density interconnect applications

Standards

Approvals and Listings National Electrical Code[®]
(NEC[®]) 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 μ m 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

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Fiber Specifications

Optical Characteristics (cabled)	
Fiber Core Diameter	50 µm
Fiber Category	OM4 Extended Distance
Fiber Code	T
Performance Option Code	91
Wavelengths	850 nm / 1300 nm
Maximum Attenuation	3.0 dB/km / 1.0 dB/km
Serial 1 Gigabit Ethernet	1100 m / 600 m
Serial 10 Gigabit Ethernet	600 m / -
Min. Overfilled Launch (OFL) Bandwidth	3500 MHz*km / 500 MHz*km
Minimum Effective Modal Bandwidth (EMB)	5350 MHz*km / -

Ordering Information

Part Number	002T78-31391-29
Product Description	DFX [®] Cable, Plenum, 2 F, 50 µm multimode, extended 10G distance (OM4)



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