

Zipcord Tight-Buffered Cable, Plenum

2 F, 50 μ m multimode (OM3)

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Corning Cable Systems Zipcord Cables are designed for interconnect applications. Two 900 μ 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.

Features and Benefits

Meets NEC requirements

Meets burn test criteria

All-dielectric strength member

Mechanical durability

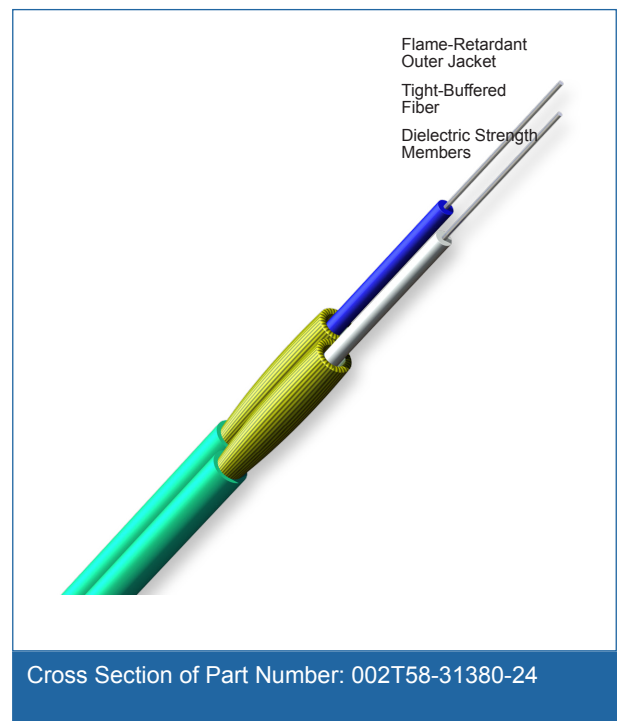
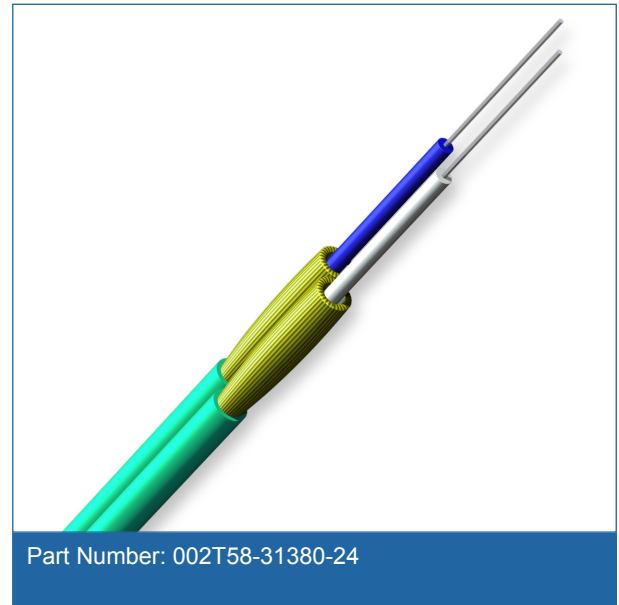
Standards

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 (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)

Design

Fiber Count	2
Tight buffer color	Blue, White
Tensile strengths elements / armoring	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	2.0 mm x 4.0 mm (0.08 in x 0.16 in)
Min. Bend Radius Installation	50.0 mm (2.0 in)
Min. Bend Radius Operation	10.0 mm (0.4 in)

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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	50.0 µm
Fiber Type	Multimode
Fiber Category	OM3
Fiber Code	T
Performance Option Code	80
Wavelengths	850 nm / 1300 nm
Maximum Attenuation	2.8 dB/km / 1.0 dB/km
Min. Overfilled Launch (OFL) Bandwidth	1500 MHz*km / 500 MHz*km
Minimum Effective Modal Bandwidth (EMB)	2000 MHz*km / -
Serial 1 Gigabit Ethernet	1000 m / 600 m
Serial 10 Gigabit Ethernet	300 m / -
Induced attenuation @ 7.5 mm radius	< 30 dB up to 80 dB

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

Notes: 1) 50 µm multimode fiber macrobend loss ≤ 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 Service Representative for additional information

Ordering Information

Order Number	002T58-31380-24
Product description	Zipcord Tight-Buffered Cable, Plenum, 2 F, 2.0 mm diameter, 50 µm multimode (OM3)

Corning Cable Systems LLC • PO Box 489 • Hickory, NC 28603-0489 USA

800-743-2675 • FAX: 828-325-5060 • International: +1-828-901-5000 • www.corning.com/cablesystems

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