

Fan-Out Tight-Buffered Cable, Plenum

4 F, 2.0 mm Subunits, 50 μ m multimode (OM3)

CORNING

Corning Cable Systems Fan-Out Cables are designed for use in building backbone and horizontal cabling. These multifiber cables use individually jacketed 900 μ m TBII® Buffered Fibers enabling easy, consistent stripping and facilitating termination. The fibers are stranded around a dielectric central member with a flame-retardant outer jacket, making this cable particularly useful for applications requiring direct connection to terminal equipment or requiring extra rugged cables.

This cable is available in 12 different jacket colors - blue, orange, green, brown, slate, white, red, black, yellow, purple, 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

900 μ m TBII® Buffered Fibers

Easy, consistent stripping

Flame-retardant jacket

Rugged and durable

All-dielectric construction

Requires no grounding or bonding

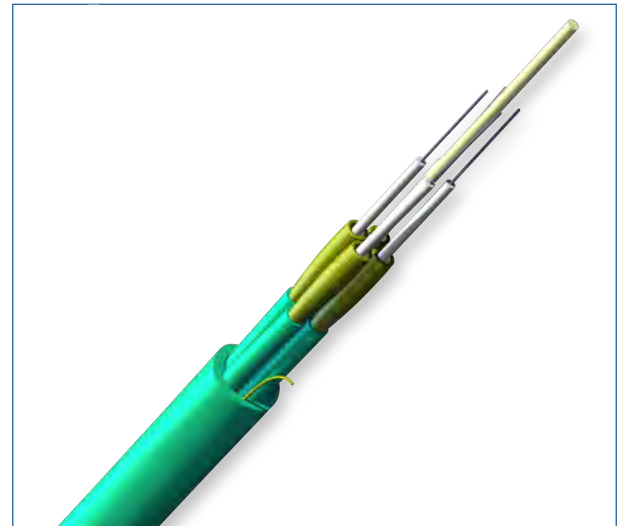
Standards

Approval and Listings

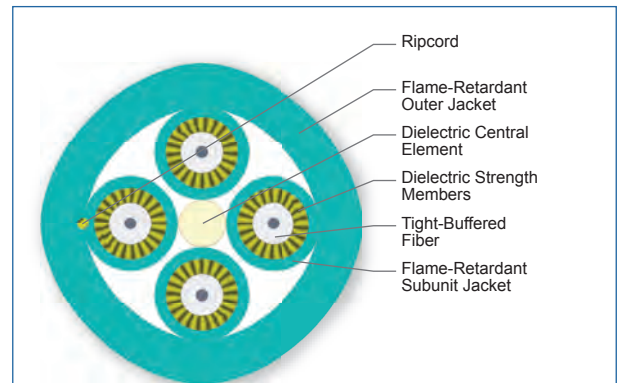
National Electrical Code® (NEC®) OFNR, CSA FT-4, ICEA S-83-596

Flame Resistance

UL-1666 (for riser and general building applications)



Part Number: 004T68-31380-29



Cross Section of Part Number: 004T68-31380-29

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Specifications

General Specifications

Environment	Indoor
Application	General Purpose Horizontal, Vertical Riser, Plenum
Cable Type	Tight-Buffered
Product Type	Distribution
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 60 °C (32 °F to 140 °F)
Operation	0 °C to 70 °C (32 °F to 158 °F)

Cable Design

Central Element	GRP
Fiber Count	4
Tight Buffer Color	White
Tensile Strength Elements and/or Armoring - Layer 1	Dielectric strength members
Subunit Jacket Material	Flame-retardant
Subunit Color	Aqua
Number of Subunits	4
Tensile Strength Elements and/or Armoring - Layer 2	Dielectric strength members
Number of Ripcords	1
Outer Jacket Material	Flame-retardant
Outer Jacket Color	Aqua

Mechanical Characteristics Cable

Weight	47 kg/km (32 lb/1000 ft)
Nominal Outer Diameter	6.8 mm (0.3 in)
Max. Tensile Strengths, Short-Term	440 N (100 lbf)
Max. Tensile Strengths, Long-Term	132 N (30 lbf)

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Mechanical Characteristics Cable

Min. Bend Radius Installation	102 mm (4 in)
Min. Bend Radius Operation	68 mm (2.7 in)

Chemical Characteristics

RoHS	Free of hazardous substances according to RoHS 2002/95/EG
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Fiber Specifications

Optical Characteristics (cabled)

Fiber Type	Multimode
Fiber Core Diameter	50 µm
Fiber Category	OM3
Fiber Code	T
Performance Option Code	80
Wavelengths	850 nm / 1300 nm
Maximum Attenuation	2.8 dB/km / 1 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™/Pretium 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 Care Representative for additional information.

Ordering Information

Part Number	004T68-31380-29
Product Description	Fan-Out Tight-Buffered Cable, Plenum, 4 F, 2.0 mm Subunits, 50 µm multimode (OM3)

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Notes



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