

Fan-Out Tight-Buffered Cable, Riser

12 F, 2.0 mm Subunits, 50 μ m multimode, extended 10G distance (OM4)

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Corning fan-out riser cables are designed for use in building backbone and horizontal cabling. These multifiber cables use individually jacketed 900 μ m 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, violet, 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 buffered fibers

Easy, consistent stripping

Flame-retardant jacket

Rugged and durable

All-dielectric construction

Requires no grounding or bonding

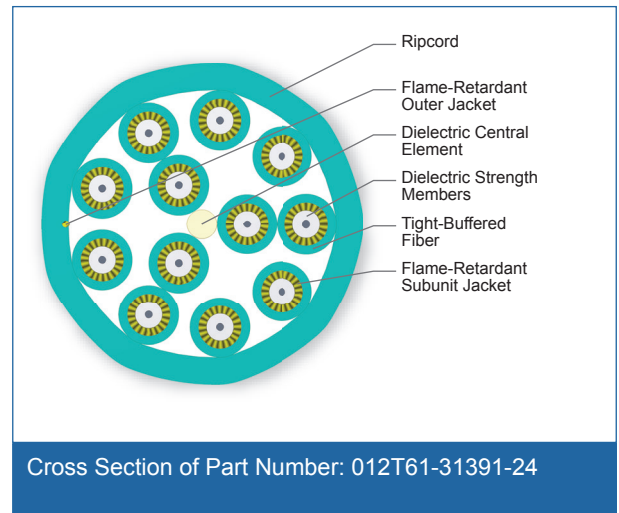
Standards

Listings

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

Design and Test Criteria

UL-1666 (for riser and general building applications)



Specifications

General Specifications	
Environment	Indoor
Application	General Purpose Horizontal, Vertical Riser
Cable Type	Tight-Buffered
Product Type	Distribution

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General Specifications

Flame Rating	Riser (OFNR)
Fiber Category	50 µm MM (OM4+)

Temperature Range

Storage	-40 °C to 70 °C (-40 °F to 158 °F)
Installation	-10 °C to 60 °C (14 °F to 140 °F)
Operation	-20 °C to 70 °C (-4 °F to 158 °F)

Cable Design

Central Element	GRP
Fiber Count	12
Tight Buffer Color	White
Tensile Strength Elements and/or Armoring - Layer 1	Dielectric strength members
Subunit Jacket Material	Flame-retardant
Subunit Color	Aqua
Subunit Diameter	2.0 mm
Number of Subunits Layer 1	3
Tensile Strength Elements and/or Armoring - Layer 2	Dielectric strength members
Number of Subunits Layer 2	9
Tensile Strength Elements and/or Armoring - Layer 3	Dielectric strength members
Number of Ripcords	1
Outer Jacket Material	Flame-retardant
Outer Jacket Color	Aqua

Mechanical Characteristics Cable

Weight	80 kg/km (54 lb/1000 ft)
Nominal Outer Diameter	10.5 mm (0.4 in)
Max. Tensile Strength, Short-Term	660 N (150 lbf)
Max. Tensile Strength, Long-Term	200 N (45 lbf)
Min. Bend Radius Installation	158 mm (6.2 in)
Min. Bend Radius Operation	105 mm (4.1 in)

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Chemical Characteristics

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
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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	2.8 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	012T61-31391-24
Product Description	Fan-Out Tight-Buffered Cable, Riser, 12 F, 2.0 mm Subunits, 50 µm multimode, extended 10G distance (OM4)



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