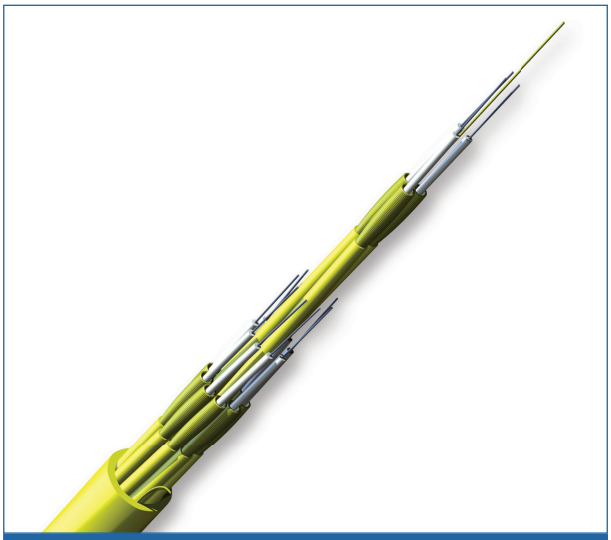
Fan-Out Tight-Buffered Cable, Riser

12 F, 1.65 mm Subunits, Single-mode (OS2)

CORNING

Corning fan-out riser cables are designed for use in building backbone and horizontal cabling. These multifiber cables use individually jacketed 900 µm 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, 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.



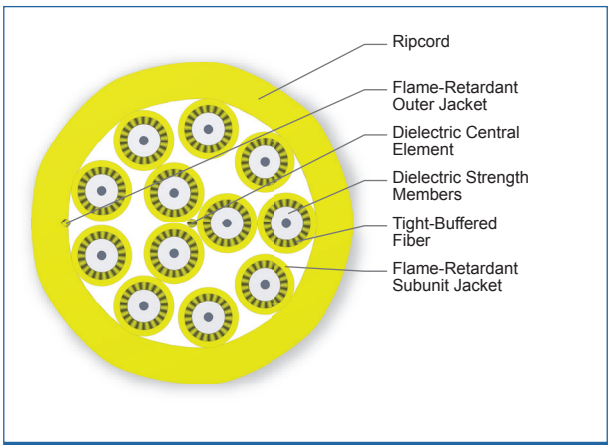
Part Number: 012E61-31431-24

Features and Benefits

900 µm Buffered Fibers
Easy, consistent stripping

Flame-retardant jacket
Rugged and durable

All-dielectric construction
Requires no grounding or bonding



Cross Section of Part Number: 012E61-31431-24

Standards

Approvals and Listings	National Electrical Code® (NEC®) OFNR, CSA FT-4, ICEA S-83-596
Flame Resistance	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	Single-mode (OS2)

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	Yarn
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	Yellow
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	Yellow
Subunit Diameter	

Mechanical Characteristics Cable	
Weight	61 kg/km (41 lb/1000 ft)
Nominal Outer Diameter	8.4 mm (0.3 in)
Max. Tensile Strength, Short-Term	660 N (150 lbf)
Max. Tensile Strength, Long-Term	200 N (45 lbf)
Min. Bend Radius Installation	126 mm (5 in)
Min. Bend Radius Operation	84 mm (3.3 in)

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Chemical Characteristics	
RoHS	Free of hazardous substances according to RoHS 2011/65/EU

Fiber Specifications

Optical Characteristics (cabled)	
Fiber Name	SMF-28e® fiber
Fiber Category	G.652.D
Fiber Code	E
Performance Option Code	31
Wavelengths	1310 nm / 1383 nm / 1550 nm
Maximum Attenuation	0.65 dB/km / 0.65 dB/km / 0.50 dB/km

Ordering Information

Part Number	012E61-31431-24
Product Description	Fan-Out Tight-Buffered Cable, Riser, 12 F, 1.65 mm Subunits, Single-mode (OS2)
EAN Code	4056418191034

RoHS COMPLIANT

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