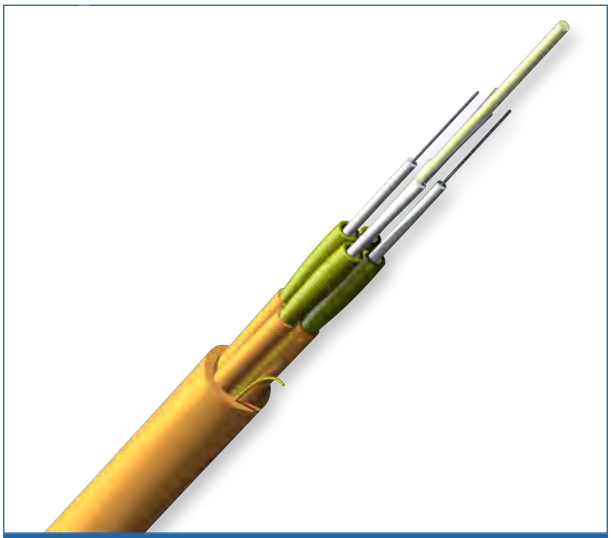
Fan-Out Tight-Buffered Cable, Riser

4 F, 2.0 mm Subunits, 62.5 µm multimode (OM1)

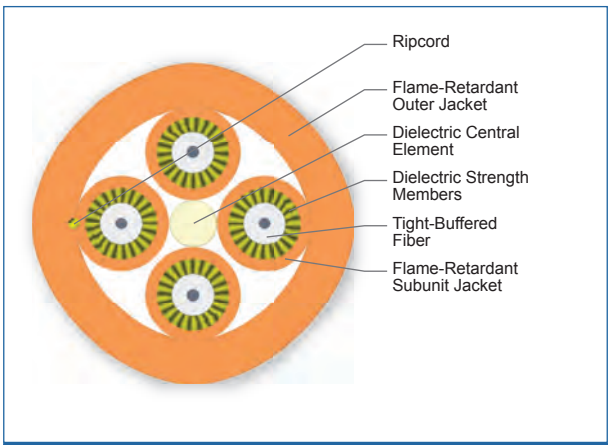
CORNING

Corning Cable Systems Fan-Out 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, 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.



Part Number: 004K61-31330-24



Cross Section of Part Number: 004K61-31330-24

Features and Benefits

900 µm 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)

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Specifications

General Specifications	
Environment	Indoor
Application	General Purpose Horizontal, Vertical Riser
Cable Type	Tight-Buffered
Product Type	Distribution
Flame Rating	Riser (OFNR)
Fiber Category	62.5 µm MM (OM1)

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	4
Tight Buffer Color	White
Tensile Strength Elements and/or Armoring - Layer 1	Dielectric strength members
Subunit Jacket Material	Flame-retardant
Subunit Color	Orange
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	Orange
Subunit Diameter	2.0 mm

Mechanical Characteristics Cable	
Weight	39 kg/km (27 lb/1000 ft)
Nominal Outer Diameter	6.8 mm (0.3 in)
Max. Tensile Strengths, Short-Term	660 N (150 lbf)
Max. Tensile Strengths, Long-Term	200 N (45 lbf)

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4 F, 2.0 mm Subunits, 62.5 µm multimode (OM1)

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

Fiber Specifications

Optical Characteristics (cabled)	
Fiber Core Diameter	62.5 µm
Fiber Type	Multimode
Fiber Category	OM1
Fiber Code	K
Performance Option Code	30
Wavelengths	850 nm / 1300 nm
Maximum Attenuation	3.4 dB/km / 1.0 dB/km
Min. Overfilled Launch (OFL) Bandwidth	200 MHz*km / 500 MHz*km
Minimum Effective Modal Bandwidth (EMB)	220 MHz*km / -
Serial 1 Gigabit Ethernet	300 m / 550 m
Serial 10 Gigabit Ethernet	33 m / -

Notes: 1) Improved attenuation and bandwidth options available.
2) Bend-insensitive single-mode fibers available on request.
3) *Contact a Corning Cable Systems Customer Care Representative for additional information.*

Ordering Information

Part Number	004K61-31330-24
Product Description	Fan-Out Tight-Buffered Cable, Riser, 4 F, 2.0 mm Subunits, 62.5 µm multimode (OM1)

Notes

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