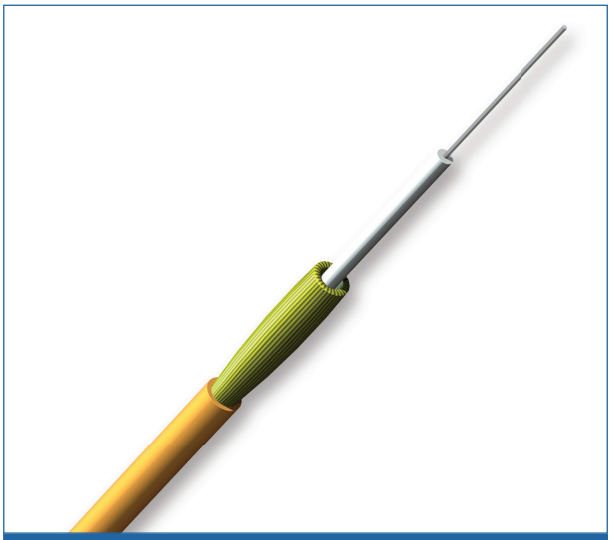
Single-Fiber Tight-Buffered Cable, Riser

2.0 mm diameter, 62.5 µm multimode (OM1)

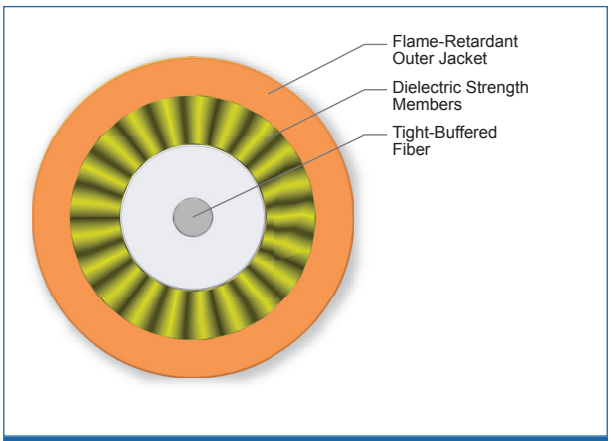
CORNING

Corning single-fiber cables are designed for interconnect applications. A 900 µm buffered fiber is surrounded by aramid yarn strength members and a flame-retardant jacket. Dielectric strength members offer mechanical durability and the flame-resistant jacket meet requirements of the National Electrical Code® (NEC®) Article 770.

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: 001K31-31330-24



Cross Section of Part Number: 001K31-31330-24

Features and Benefits

Meets NEC requirements
Meets burn test criteria

All-dielectric strength member
Mechanical durability

Standards

Listings	National Electrical Code® (NEC®) OFNR, FT-4
Design and Test Criteria	UL-1666 and CSA FT-4 (for riser and general building applications); ICEA S-83-596

Specifications

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

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General Specifications	
Flame Rating	Riser (OFNR)
Fiber Category	62.5 µm MM (OM1)

Temperature Range	
Storage	-40 °C to 70 °C (-40 °F to 158 °F)
Operation	0 °C to 70 °C (32 °F to 158 °F)

Cable Design	
Fiber Count	1
Tight Buffer Color	White
Tensile Strength Elements and/or Armoring - Layer 1	Dielectric strength members
Outer Jacket Material	Flame-retardant
Outer Jacket Color	Orange

Mechanical Characteristics Cable	
Nominal Outer Diameter	2.0 mm (0.08 in)
Weight	3.6 kg/km (2.4 lb/1000 ft)
Max. Tensile Strength, Short-Term	220 N (50 lbf)
Max. Tensile Strength, Long-Term	66 N (15 lbf)
Min. Bend Radius Installation	30 mm (1.2 in)
Min. Bend Radius Operation	25 mm (1.0 in)

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

Fiber Specifications

Optical Characteristics (cabled)	
Fiber Core Diameter	62.5 µm
Fiber Category	OM1
Fiber Code	K
Performance Option Code	30

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

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Fiber Specifications

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

Notes: 1) *Improved attenuation and bandwidth options available.*
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Ordering Information

Part Number	001K31-31330-24
Product Description	Single-Fiber Tight-Buffered Cable, Riser, 2.0 mm diameter, 62.5 µm multimode (OM1)
EAN Code	4056418174082

RoHS COMPLIANT

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