

MIC® Tight-Buffered Cable, Riser

12 F, 62.5 µm multimode (OM1)

CORNING

Corning MIC® riser cables are designed for use in riser and general purpose environments for intrabuilding back-bone and horizontal installations. These multifiber cables use 900 µm buffered fibers to enable easy, consistent stripping and facilitate termination. The fibers are surrounded by dielectric strength members and protected by a flame-retardant outer jacket.

The all-dielectric cable construction requires no grounding or bonding, making these cables ideal for routing inside buildings including riser shafts, to the telecommunications rooms and workstations. The MIC Riser Cables meet the application requirements of the National Electrical Code® (NEC®) Article 770 and the ICEA S-83-596 test criteria. They are OFNR and FT-4 listed for riser and general-purpose use.

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 µm Buffered Fibers

Easy, consistent stripping

All-dielectric construction

Requires no grounding or bonding

Flame-retardant jacket

Rugged and durable

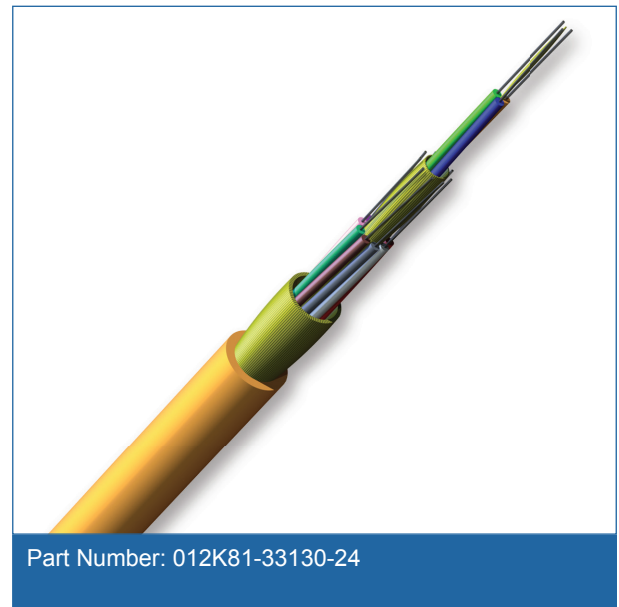
Standards

Listings

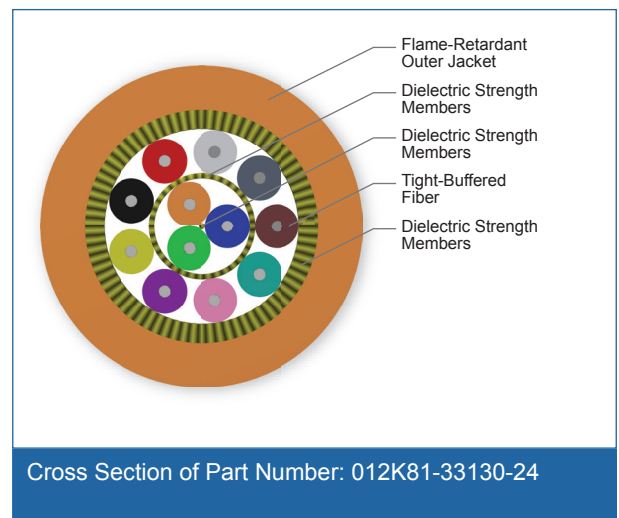
National Electrical Code®
(NEC®) OFNR, FT-4

Design and Test Criteria

UL-1666 and CSA FT-4 (for riser and general building applications); ICEA S-83-596



Part Number: 012K81-33130-24



Cross Section of Part Number: 012K81-33130-24

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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	Yarn
Fiber Count	12
Tight Buffer Color	Blue, Orange, Green
Tensile Strength Elements and/or Armoring - Layer 1	Dielectric strength members
Tight Buffer Color, Layer 2	Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Tensile Strength Elements and/or Armoring - Layer 2	Dielectric strength members
Outer Jacket Material	Flame-retardant
Outer Jacket Color	Orange

Mechanical Characteristics Cable

Max. Tensile Strength, Short-Term, ≤12F	660 N (150 lbf)
Max. Tensile Strength, Short-Term, >12F	1320 N (300 lbf)
Max. Tensile Strength, Long-Term, ≤12F	200 N (45 lbf)
Max. Tensile Strength, Long-Term, >12F	400 N (90 lbf)
Nominal Outer Diameter	6.10 mm (0.24 in)
Weight	30.1 kg/km (20.23 lb/1000 ft)
Min. Bend Radius Installation	91.5 mm (3.60 in)
Min. Bend Radius Operation	61 mm (2.40 in)

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Fiber Specifications

Optical Characteristics (cabled)	
Fiber Core Diameter	62.5 µm
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
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.
2) Bend-insensitive single-mode fibers available on request.
3) Contact a Corning Customer Care Representative for additional information.

Ordering Information

Part Number	012K81-33130-24
Product Description	MIC® Tight-Buffered Cable, Riser, 12 F, 62.5 µm multimode (OM1)
EAN Code	4056418190914



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