

MIC® Tight-Buffered Cable, Plenum 24 F, 62.5 μ m multimode (OM1)

CORNING

Part Number:
024K88-33130-29

Corning MIC® plenum cables are designed for use in plenum, riser and general purpose environments for intrabuilding backbone and horizontal installations. These multifiber cables use 900 μ m buffered fibers to allow easy, consistent stripping and to 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. MIC plenum cables are ideal for routing inside buildings, within plenum areas and riser shafts, to the telecommunications rooms and workstations. The MIC plenum cables meet the application requirements of the National Electrical Code® (NEC®) Article 770 and are OFNP and FT-6 listed.

Features and Benefits

900 μ m buffered fibers

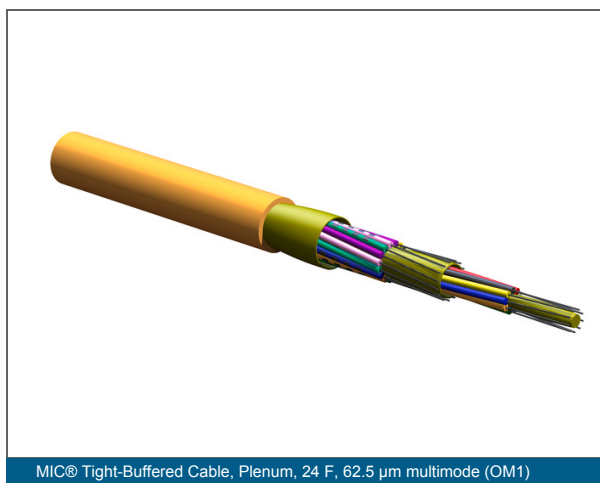
Easy, consistent stripping

All-dielectric construction

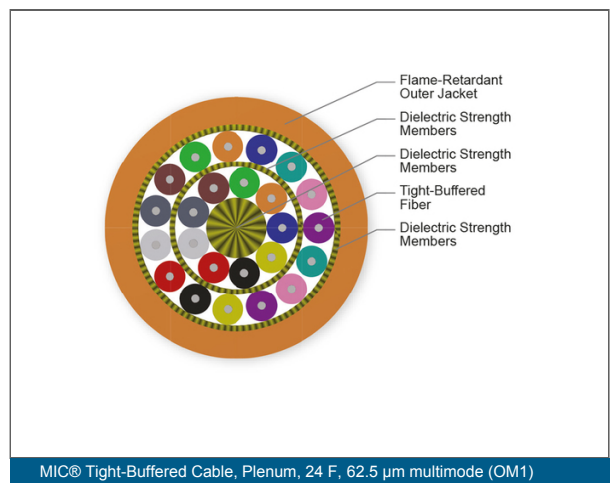
Requires no grounding or bonding

Flame-retardant jacket

Rugged and durable



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Specifications

General Specifications

Cable Type	Tight-Buffered
Environment	Indoor
Product Type	Distribution
Fiber Category	62.5 µm MM (OM1)
Flame Rating	Plenum (OFNP)
Application	General purpose, Horizontal, Plenum, Vertical Riser
Cable geometry	Round

Standards

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Approvals and Listings	National Electrical Code® (NEC®) OFNR, UL-1666, CSA FT-4
Design and Test Criteria	ICEA S-83-596

Environmental Conditions

Temperature Range, Installation	0 °C to 60 °C (32 °F to 140 °F)
Temperature Range, Operation	0 °C to 70 °C (32 °F to 158 °F)
Temperature Range, Storage	-40 °C to 70 °C (-40 °F to 158 °F)

Cable Design

Central Element	Yarn
Fiber Count	24
Outer Jacket Color	Orange
Outer Jacket Material	Flame-retardant
Tensile Strength Elements and/or Armoring - Layer 1	Dielectric strength members
Tensile Strength Elements and/or Armoring - Layer 2	Dielectric strength members

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Cable Design

Tight Buffer Color, Layer 2

Violet, Rose, Aqua, Blue*, Orange*, Green*, Brown*, Slate*, White *, Red*, Black*, Yellow*, Violet*, Rose*, Aqua*

Flame Rating

Plenum (OFNP)

Mechanical Specifications

Max. Tensile Strength, Long-Term, ≤12F

132 N (29.67 lbf)

Max. Tensile Strength, Long-Term, >12F

200 N (44.96 lbf)

Max. Tensile Strength, Short-Term, ≤12F

440 N (98.92 lbf)

Max. Tensile Strength, Short-Term, >12F

660 N (148.37 lbf)

Min. Bend Radius Installation

117 mm (4.61 in)

Min. Bend Radius Operation

77 mm (3.03 in)

Nominal Outer Diameter

7.7 mm (0.3 in)

Optical Characteristics

Fiber Code

K

Fiber Name

62.5 µm MM (OM1)

Fiber Type

Multimode

Performance Option Code

30

Fiber Core Diameter

62.5 µm

Minimum Effective Modal Bandwidth (EMB)

220 MHz

Maximum Attenuation

3.4 dB/km / 1.0 dB/km

Min. Overfilled Launch (OFL) Bandwidth

200 MHz / 500 MHz

Serial 1 Gigabit Ethernet

300 m / 550 m

Serial 10 Gigabit Ethernet

33 m / -

Wavelengths

850 nm / 1300 nm

Fiber Category

OM1

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Dimensions	
Cable Weight	583 kg/km (391.76 lb/1000 ft)
Length	0 mm (0 in)



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