

MIC® Unitized Tight-Buffered Cable, Plenum 48 F, 62.5 µm multimode (OM1)

CORNING

Part Number:
048K88-61130-29

Corning MIC® unitized plenum cables are designed for use in plenum, riser and general purpose environments for intrabuilding backbone installations. These multifiber cables use individually jacketed 900 µm buffered fibers enabling easy, consistent stripping and facilitating termination. The stranded subunits of 6-, 12-, or 24-fibers allow quick and easy identification and 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 Unitized Riser Cables meet the application requirements of the National Electrical Code® (NEC®) Article 770 and the ICEA S-83-596 test criteria. They are OFNP and FT-6 listed.

Features and Benefits

6-fiber jacketed subunits

Quick and easy identification

900 µm buffered fibers

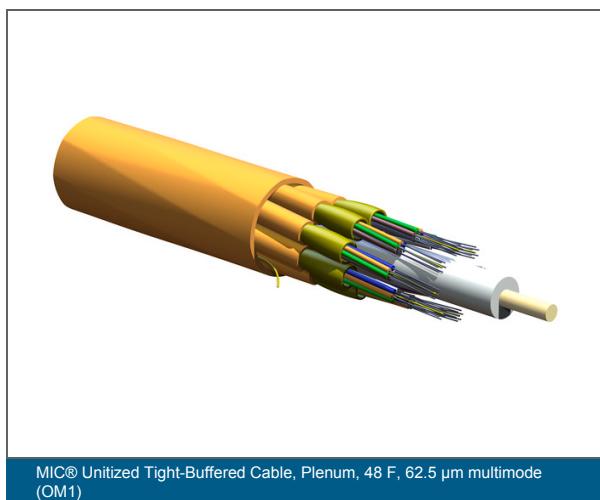
Easy, consistent stripping

All-dielectric construction

Requires no grounding or bonding

Flame-retardant jacket

Rugged and durable



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Specifications

General Specifications

Environment	Indoor
Cable Type	Tight-Buffered
Product Type	Distribution
Fiber Category	62.5 µm MM (OM1)
Flame Rating	Plenum (OFNP)
Application	General Purpose Horizontal, Plenum, Vertical Riser
Fiber Count	48

Standards

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Approvals and Listings	National Electrical Code® (NEC®) OFNP, CSA FT-6, 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	Jacketed GRP
Fiber Count	48
Number of Ripcords	9
Outer Jacket Color	Orange
Outer Jacket Material	Flame-retardant
Tensile Strength Elements and/or Armoring - Layer 1	Dielectric strength members
Fibers per Subunit	6

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Cable Design

Number of Active Tubes	8
Subunit Color	Orange
Subunit Diameter	4.4 mm (0.17 in)
Tight Buffer Color Subunit	Blue, Orange, Green, Brown, Slate, White
Flame Rating	Plenum (OFNP)

Mechanical Specifications

Max. Tensile Strength, Long-Term	200 N (44.96 lbf)
Max. Tensile Strength, Short-Term	660 N (148.37 lbf)
Min. Bend Radius Installation	267 mm (10.51 in)
Min. Bend Radius Operation	178 mm (7.01 in)
Nominal Outer Diameter	17.8 mm (0.7 in)

Optical Characteristics

Fiber Code	K
Fiber Name	62.5 µm MM (OM1)
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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Ordering Information

Product Number	048K88-61130-29
EAN Code	4056418190549
Weight	2.979 kg/km (2 lb/1000 ft)



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