

MIC® Tight-Buffered Cable, Plenum 12 F, 62.5 μ m multimode (OM1)

CORNING

Part Number: 012K88-33130-29

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

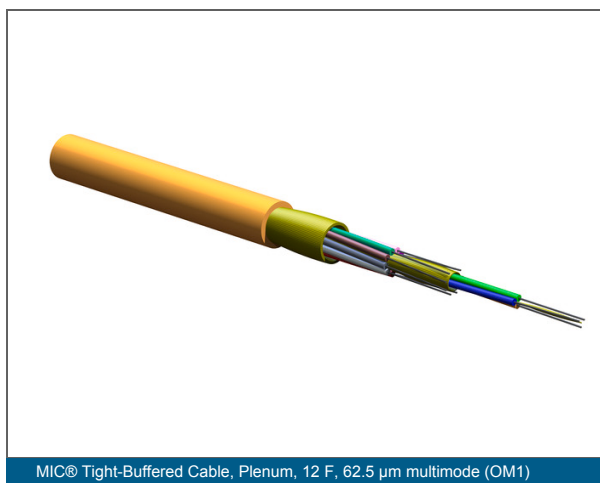
Easy, consistent stripping

All-dielectric construction

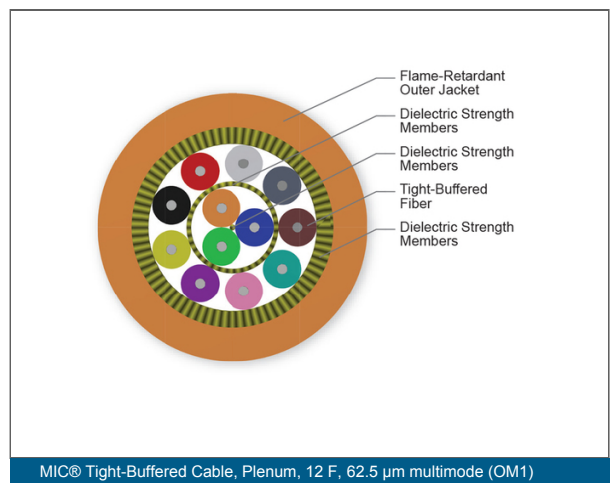
Requires no grounding or bonding

Flame-retardant jacket

Rugged and durable



MIC® Tight-Buffered Cable, Plenum, 12 F, 62.5 μ m multimode (OM1)



MIC® Tight-Buffered Cable, Plenum, 12 F, 62.5 μ m multimode (OM1)

MIC® Tight-Buffered Cable, Plenum 12 F, 62.5 µm multimode (OM1)

CORNING

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®) OFNP, NFPA 262, CSA FT-6
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	12
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

MIC® Tight-Buffered Cable, Plenum 12 F, 62.5 µm multimode (OM1)

CORNING

Cable Design

Tight Buffer Color, Layer 2	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	92 mm (3.62 in)
Min. Bend Radius Operation	60 mm (2.36 in)
Nominal Outer Diameter	6 mm (0.24 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

Dimensions

Cable Weight	3.38 kg/km (2.27 lb/1000 ft)
--------------	------------------------------

MIC® Tight-Buffered Cable, Plenum 12 F, 62.5 µm multimode (OM1)



Dimensions	
Length	0 mm (0 in)



Corning Optical Communications LLC • 4200 Corning Place • Charlotte, NC • 28216 • United States
800-743-2675 • FAX: 828-325-5060 • International: +1-828-901-5000 • www.corning.com/opcomm

A complete listing of the trademarks of Corning Optical Communications is available at www.corning.com/opcomm/trademarks. All other trademarks are the properties of their respective owners. Corning Optical Communications is ISO 9001 certified. © 2025 Corning Optical Communications. All rights reserved.