MIC® Tight-Buffered Cable, Plenum 12 F, Single-mode (OS2)

Part Number:
012E88-33131-29

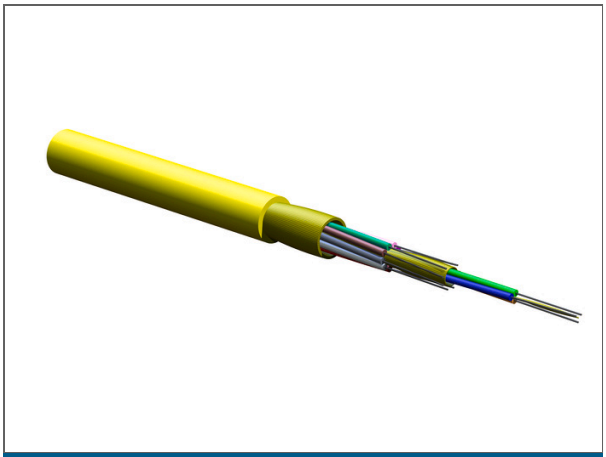
Corning MIC® plenum cables are designed for use in plenum, riser and general purpose environments for intrabuilding backbone and horizontal installations. These multifiber cables use 900 µm buffered fibers to allow easy, consistent stripping and to facilitate termination. The fibers are surrounded by 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 µm buffered fibers
Easy, consistent stripping

All-dielectric construction
Requires no grounding or bonding

Flame-retardant jacket
Rugged and durable



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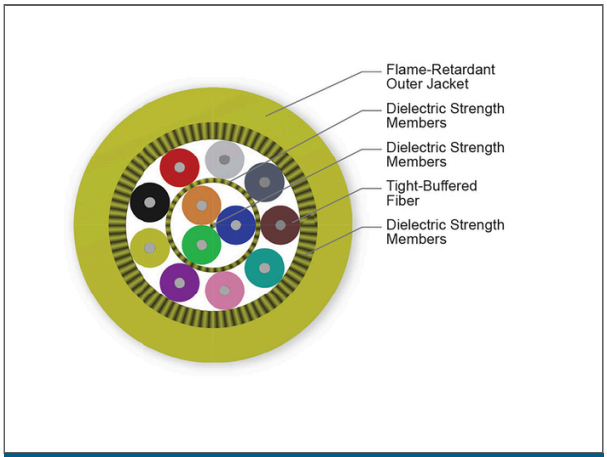

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Specifications

General Specifications	
Environment	Indoor
Cable Type	Tight-Buffered
Product Type	Distribution
Fiber Category	Single-mode (OS2)
Flame Rating	Plenum (OFNP)
Application	General Purpose Horizontal, Plenum, Vertical Riser
Fiber Count	12

Standards	
Approvals and Listings	National Electrical Code® (NEC®) OFNP, NFPA 262, CSA FT-6, ICEA S-83-596
Flame Test Method	NFPA 262 and CSA FT-6 (for plenum, riser and general building applications), 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	Yellow
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	Blue, Orange, Green
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	E
Fiber Name	SMF-28e+® fiber
Fiber Type	Single-mode
Performance Option Code	31
Maximum Attenuation	0.4 dB/km / 0.4 dB/km / 0.4 dB/km
Wavelengths	1310 nm / 1383 nm / 1550 nm
Fiber Category	G.652.D

Ordering Information	
Product Number	012E88-33131-29
EAN Code	4056418188126
Weight	3.38 kg/km (2.27 lb/1000 ft)

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