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

Part Number:
012E88-33131-A3

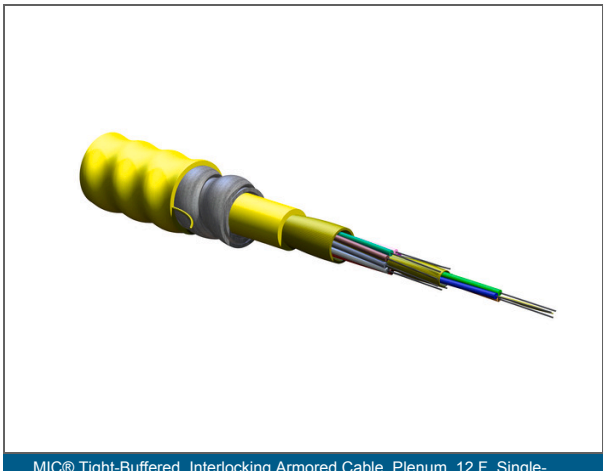
Corning MIC® interlocking armored plenum cables are designed for use in plenum, riser and general purpose environments for intrabuilding backbone and horizontal installations. These multifiber cables use individually jacketed 900 µm buffered fibers enabling easy, consistent stripping and facilitating termination. The fibers are grouped into jacketed subunits and surrounded by a dielectric central member. The core is protected by a flexible, spirally wrapped, aluminum interlocking armor that offers easy, one-step installation and up to seven times the crush protection of unarmored cables. With a flame-retardant outer jacket, this cable is particularly useful for heavy traffic or more challenging mechanical exposure conditions and applications requiring extra rugged cables.

Features and Benefits

Flexible, interlocking armor design
Seven times crush protection compared to non-armored cables

TBII buffered fibers
Easy, consistent stripping

Flame-retardant jacket
Rugged and durable



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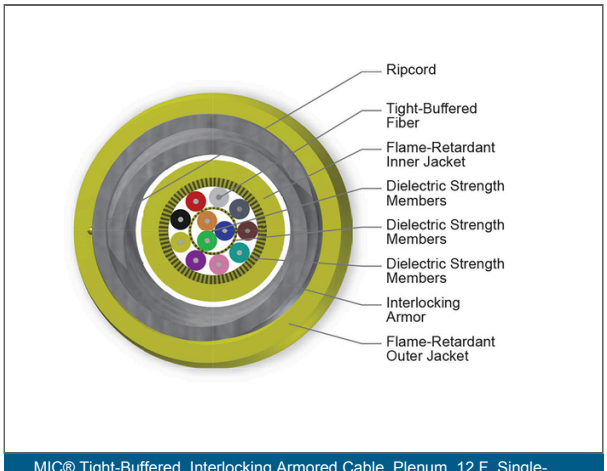

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Specifications

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

Standards	
RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Approvals and Listings	National Electrical Code® (NEC®) OFCP, 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	Yarn
Fiber Count	12
Number of Ripcords	2
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	
Inner Jacket Material	Flame-retardant
Tight Buffer Color	Blue, Orange, Green
Tight Buffer Color, Layer 2	Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Flame Rating	Plenum (OFCP)

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, Long-Term	132 N (29.67 lbf)
Max. Tensile Strength, Short-Term, ≤12F	440 N (98.92 lbf)
Max. Tensile Strength, Short-Term, >12F	660 N (148.37 lbf)
Max. Tensile Strength, Short-Term	440 N (98.92 lbf)
Min. Bend Radius Installation	170 mm (6.69 in)
Min. Bend Radius Operation	113 mm (4.45 in)
Nominal Inner Cable Diameter	6 mm (0.24 in)
Nominal Outer Diameter	11.3 mm (0.44 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

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Ordering Information	
Product Number	012E88-33131-A3
EAN Code	4056418191003
Weight	113 kg/km (75.93 lb/1000 ft)

RoHS COMPLIANT

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