MIC® Tight-Buffered, Interlocking Armored Cable, Plenum 12 F, 50 µm multimode (OM4)

Part Number:
012T88-33190-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.

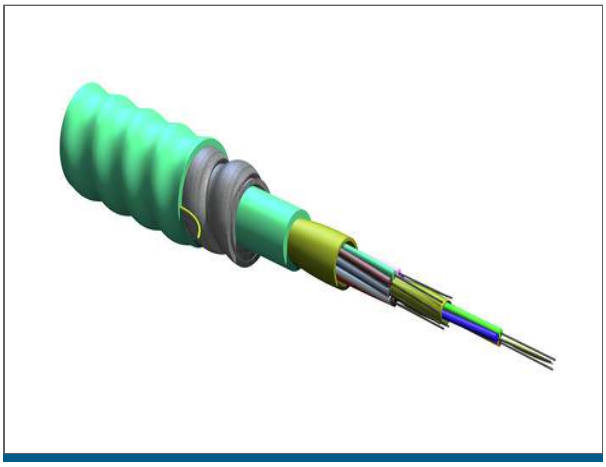
The core is protected by a flexible, spirally wrapped, aluminum interlocking armor that offers easy, one-step installation and up to seven times the crush protection of unarmored cables. With a flame-retardant outer jacket, this cable is particularly useful for heavy traffic or more challenging mechanical exposure conditions and applications requiring extra rugged cables.

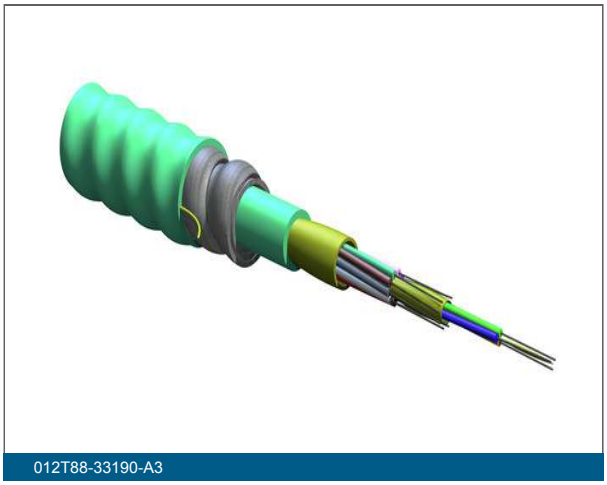
Features and Benefits

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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Specifications

Mechanical Specifications	
Max. Tensile Strength, Long-Term	132 N
Max. Tensile Strength, Short-Term	440 N
Min. Bend Radius Installation	170 mm (6.69 in)
Min. Bend Radius Operation	113 mm (4.45 in)
Nominal Outer Diameter	11.3 mm (0.44 in)
Max. Tensile Strength, Long-Term, ≤12F	132 N
Max. Tensile Strength, Long-Term, >12F	200 N
Max. Tensile Strength, Short-Term, ≤12F	440 N
Max. Tensile Strength, Short-Term, >12F	660 N

Cable Design	
Central Element	Yarn
Fiber Count	12
Number of Ripcords	2
Outer Jacket Color	Aqua
Outer Jacket Material	Flame-retardant
Tensile Strength Elements and/or Armoring - Layer 1	Dielectric strength members
Flame Rating	Plenum (OFCP)

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

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General Specifications	
Environment	Indoor
Cable Type	Tight-Buffered
Product Type	Interlocking Armor
Fiber Category	50 µm MM (OM4)
Flame Rating	Plenum (OFCP)
Application	General Purpose Horizontal , Vertical Riser , Plenum

Ordering Information	
Weight	113 kg/km

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

Optical Characteristics	
Fiber Code	T
Fiber Type	Multimode
Performance Option Code	90
Fiber Core Diameter	50 µm
Minimum Effective Modal Bandwidth (EMB)	4700 MHz*km / -
Maximum Attenuation	2.8 dB/km / 1.0 dB/km
Min. Overfilled Launch (OFL) Bandwidth	3500 MHz*km / 500 MHz*km
Serial 1 Gigabit Ethernet	1000 MHz*km / 600 MHz*km
Serial 10 Gigabit Ethernet	550 MHz*km / -
Wavelengths	850 nm / 1300 nm
Fiber Category	OM4

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RoHS COMPLIANT

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