MIC® Unitized Tight-Buffered, Interlocking Armored Cable, Plenum

36 F, 50 µm multimode (OM4)

CORNING

Corning MIC® unitized interlocking armored plenum cables are standard MIC unitized cables 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 6-, 12-, or 24-fiber jacketed subunits for quick and easy identification. These subunits surround a dielectric central member and are 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 for routing inside buildings, through riser shafts, to telecommunication rooms and to workstations.

This cable is available in 12 different jacket colors – blue, orange, green, brown, slate, white, red, black, yellow, violet, rose and aqua. The colored jacket allows for easy visual identification of the cables. The standard jacket color will be determined by the dominant fiber type in the cable and will use the standard part numbers shown here. Contact Customer Care at 1-800-743-2675 to order other color options.

Part Number: 036T88-61190-A3

Features and Benefits

Flexible, interlocking armor design
Seven times crush protection compared to unarmored cables

TBII buffered fibers
Easy, consistent stripping

6-, 12- or 24-fiber jacketed subunits
Quick and easy identification

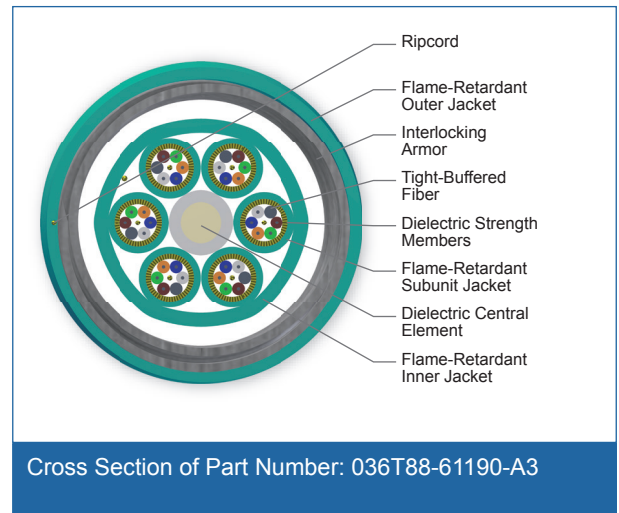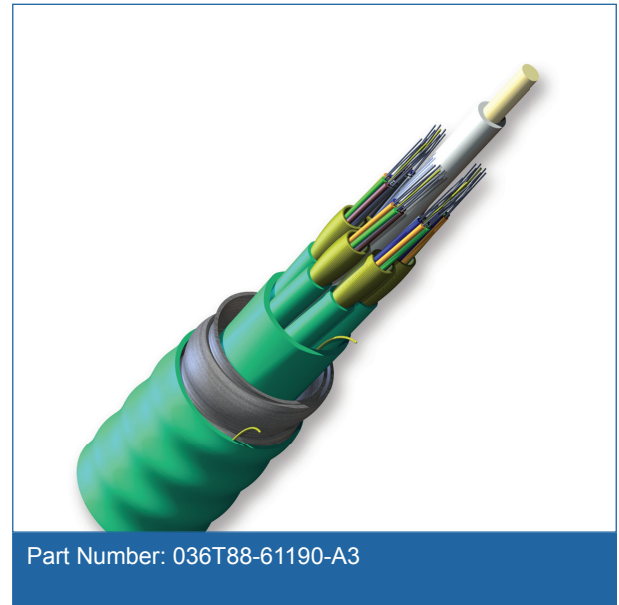**Flame-retardant jacket**
Rugged and durable

Cross Section of Part Number: 036T88-61190-A3

- Ripcord
- Flame-Retardant Outer Jacket
- Interlocking Armor
- Tight-Buffered Fiber
- Dielectric Strength Members
- Flame-Retardant Subunit Jacket
- Dielectric Central Element
- Flame-Retardant Inner Jacket

Standards

Approvals and Listings	National Electrical Code® (NEC®) OFCP, CSA FT-6, ICEA S-83-596
Flame Resistance	UL-1666 (for riser and general building applications)

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Specifications

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

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

Cable Design	
Central Element	Jacketed GRP
Fiber Count	36
Number of Active Tubes	6
Subunit Color	Aqua
Number of Fibers per Subunit	6
Subunit Diameter	4.40 mm (0.17 in)
Tight buffer color subunit	Blue, Orange, Green, Brown, Slate, White
Tensile Strength Elements and/or Armoring - Layer 1	Dielectric strength members
Number of Ripcords	8
Outer Jacket Material	Flame-retardant
Outer Jacket Color	Aqua

Mechanical Characteristics Cable	
Max. Tensile Strength, Short-Term	660 N (150 lbf)
Max. Tensile Strength, Long-Term	200 N (45 lbf)
Nominal Inner Cable Diameter	14.8 mm (0.58 in)
Nominal Outer Diameter	22.5 mm (0.89 in)
Weight	385.9 kg/km (259.3 lb/1000 ft)

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Mechanical Characteristics Cable	
Min. Bend Radius Installation	338 mm (13.3 in)
Min. Bend Radius Operation	225 mm (8.9 in)

Chemical Characteristics	
RoHS	Free of hazardous substances according to RoHS 2011/65/EU

Fiber Specifications

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

Ordering Information

Part Number	036T88-61190-A3
Product Description	MIC® Unitized Tight-Buffered, Interlocking Armored Cable, Plenum, 36 F, 50 µm multimode (OM4)
EAN Code	4056418176895

RoHS COMPLIANT

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