

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

36 F, 50 µm multimode (OM4)

CORNING

Corning Cable Systems 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 TBII® Buffered Fibers enabling easy, consistent stripping and facilitating termination. The fibers are grouped into six or 12-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 over 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, purple, 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.

## Features and Benefits

### Flexible, interlocking armor design

Seven times crush protection compared to unarmored cables

### TBII® Buffered Fibers

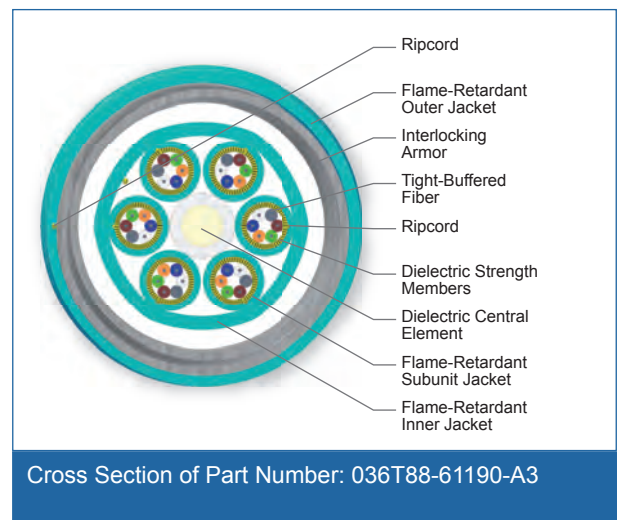
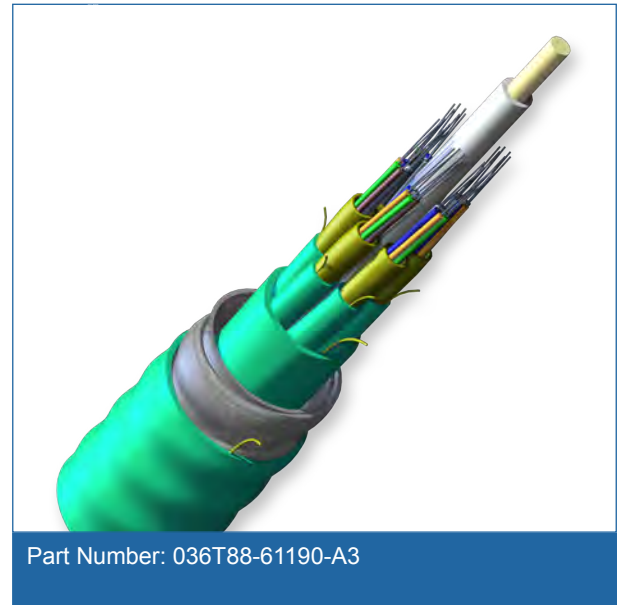
Easy, consistent stripping

### 6- or 12-fiber jacketed subunits

Quick and easy identification

### Flame-retardant jacket

Rugged and durable



## Standards

### Approval 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
Subunit Central Element	Dielectric
Fibers per Subunit	6
Tight buffer color subunit	Blue, Orange, Green, Brown, Slate, White
Tensile Strength Elements and/or Armoring - Layer 1	Dielectric strength members
Subunit Color	Aqua
Number of Subunits	6
Number of Ripcords	8
Inner Jacket Material	Flame-retardant
Tensile Strength Elements and/or Armoring - Layer 3	Interlocking armor
Outer Jacket Material	Flame-retardant
Outer Jacket Color	Aqua

### Mechanical Characteristics Cable

Max. Tensile Strengths, Short-Term	660 N (150 lbf)
Max. Tensile Strengths, Long-Term	200 N (45 lbf)
Nominal Inner Cable Diameter	14.8 mm (0.58 in)
Nominal Outer Diameter	23.6 mm (0.93 in)
Weight	481 kg/km (323 lb/1000 ft)

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## Mechanical Characteristics Cable

Min. Bend Radius Installation	354 mm (13.9 in)
Min. Bend Radius Operation	236 mm (9.3 in)

## Chemical Characteristics

RoHS	Free of hazardous substances according to RoHS 2002/95/EG
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## Fiber Specifications

### Optical Characteristics (cabled)

Fiber Type	Multimode
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 dB/km
Min. Overfilled Launch (OFL) Bandwidth	3500 MHz*km / 500 MHz*km
Minimum Effective Modal Bandwidth (EMB)	4700 MHz*km / -
Serial 1 Gigabit Ethernet	1100 m / 600 m
Serial 10 Gigabit Ethernet	550 m / -

\* Assumes 1.0 dB maximum total connector/splice loss.

\* Meets 0.75 ns optical skew when used in all Corning Cable Systems Plug & Play™/Pretium EDGE® Systems Solutions.

Notes: 1) 50 µm multimode fiber macrobend loss  $\leq 0.2$  dB at 850 nm for two turns around 7.5 mm radius mandrel.  
2) Improved attenuation and bandwidth options available.  
3) Bend-insensitive single-mode fibers available on request.  
4) Contact a Corning Cable Systems Customer Care Representative for additional information.

## Ordering Information

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

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The Corning logo consists of a solid blue square with the word "CORNING" in white, uppercase, sans-serif font centered within it.

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## Notes



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