

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

36 F, 50 µm multimode (OM2)

CORNING

Corning MIC® interlocking armored riser cables are designed for use in intrabuilding backbone and horizontal installations. They 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 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 six times the crush protection of non-interlocking armored 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.

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.

Features and Benefits

Flexible, interlocking armor design

Seven times crush protection compared to non-armored cables

900 µm buffered fibers

Easy, consistent stripping

6- or 12-fiber jacketed subunits

Quick and easy identification

Flame-retardant jacket

Rugged and durable

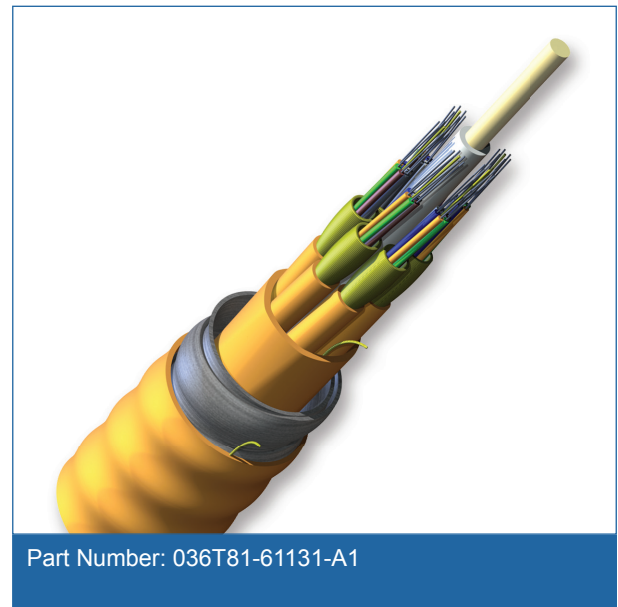
Standards

Listings

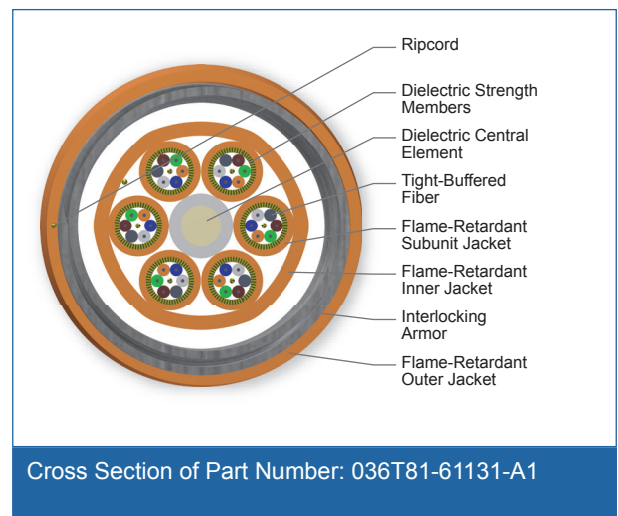
National Electrical Code® (NEC®) OFCR, FT-4

Design and Test Criteria

UL-1666 and CSA FT-4 (for riser and general building applications); ICEA S-83-596



Part Number: 036T81-61131-A1



Cross Section of Part Number: 036T81-61131-A1

MIC[®] Unitized Tight-Buffered, Interlocking Armored Cable, Riser

36 F, 50 µm multimode (OM2)

CORNING

Specifications

General Specifications

Environment	Indoor
Application	General Purpose Horizontal, Vertical Riser
Cable Type	Tight-Buffered
Product Type	Interlocking Armor
Flame Rating	Riser (OFCR)
Fiber Category	50 µm MM (OM2)

Temperature Range

Storage	-40 °C to 70 °C (-40 °F to 158 °F)
Installation	-10 °C to 60 °C (14 °F to 140 °F)
Operation	-20 °C to 70 °C (-4 °F to 158 °F)

Cable Design

Central Element	Jacketed GRP
Fiber Count	36
Number of Active Tubes	6
Subunit Color	Orange
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	Orange

Mechanical Characteristics Cable

Max. Tensile Strength, Short-Term	1320 N (300 lbf)
Max. Tensile Strength, Long-Term	400 N (90 lbf)
Nominal Inner Cable Diameter	14.8 mm (0.58 in)
Nominal Outer Diameter	22.5 mm (0.89 in)
Weight	349.6 kg/km (234.9 lb/1000 ft)

MIC[®] Unitized Tight-Buffered, Interlocking Armored Cable, Riser

36 F, 50 μ m multimode (OM2)

CORNING

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 μ m
Fiber Category	OM2
Fiber Code	T
Performance Option Code	31
Wavelengths	850 nm / 1300 nm
Maximum Attenuation	2.8 dB/km / 1.0 dB/km
Serial 1 Gigabit Ethernet	750 m / 600 m
Serial 10 Gigabit Ethernet	150 m / -
Min. Overfilled Launch (OFL) Bandwidth	700 MHz*km / 500 MHz*km
Minimum Effective Modal Bandwidth (EMB)	950 MHz*km / -

Ordering Information

Part Number	036T81-61131-A1
Product Description	MIC [®] Unitized Tight-Buffered, Interlocking Armored Cable, Riser, 36 F, 50 μ m multimode (OM2)
EAN Code	4056418160313



Corning Optical Communications LLC • PO Box 489 • Hickory, NC 28603-0489 USA

800-743-2675 • FAX: 828-325-5060 • International: +1-828-901-5000 • www.corning.com/opcomm

A complete listing of the trademarks of Corning Optical Communications is available at www.corning.com/opcomm/trademarks. All other trademarks are the properties of their respective owners. Corning Optical Communications is ISO 9001 certified.

© 2017 Corning Optical Communications. All rights reserved.

CORNING