

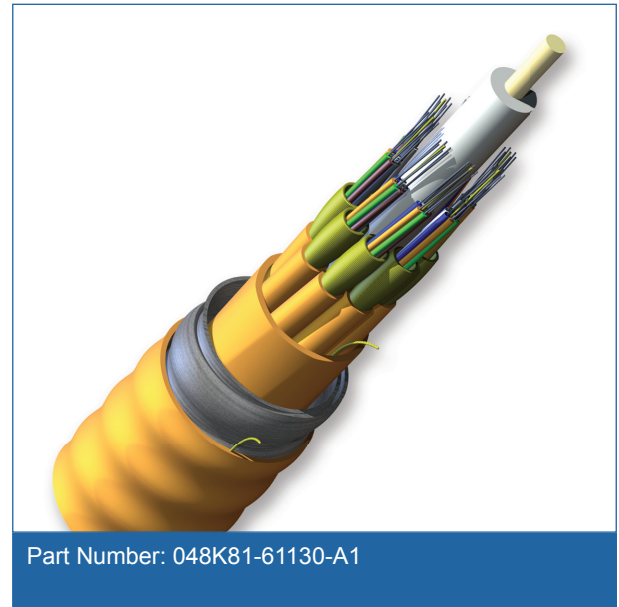
# MIC<sup>®</sup> Unitized Tight-Buffered, Interlocking Armored Cable, Riser

48 F, 62.5 μm multimode (OM1)

CORNING

Corning MIC<sup>®</sup> 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 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.

*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 unarmored cables

### 900 μm Buffered Fibers

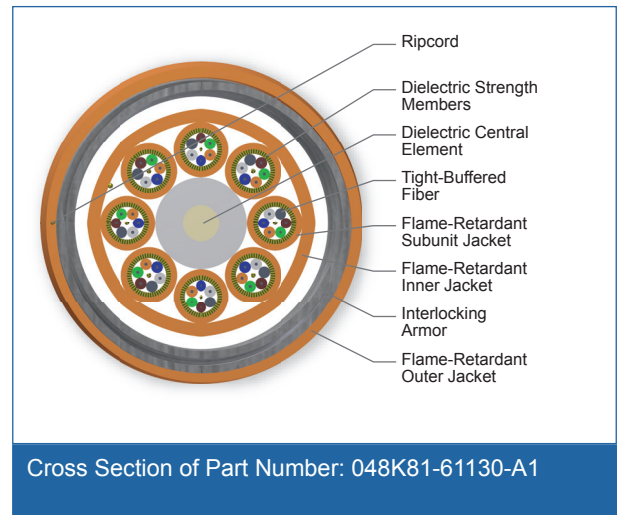
Easy, consistent stripping

### 6- or 12-fiber jacketed subunits

Quick and easy identification

### Flame-retardant jacket

Rugged and durable



## Standards

### Listings

National Electrical Code<sup>®</sup>  
(NEC<sup>®</sup>) OFCR, FT-4

### Design and Test Criteria

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

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## 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	62.5 μm MM (OM1)

### 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	48
Number of Active Tubes	8
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	10
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	17.8 mm (0.69 in)
Nominal Outer Diameter	24.9 mm (0.98 in)
Weight	445.9 kg/km (299.6 lb/1000 ft)

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## Mechanical Characteristics Cable

Min. Bend Radius Installation	374 mm (14.7 in)
Min. Bend Radius Operation	249 mm (9.8 in)

## Chemical Characteristics

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
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## Fiber Specifications

### Optical Characteristics (cabled)

Fiber Core Diameter	62.5 µm
Fiber Category	OM1
Fiber Code	K
Performance Option Code	30
Wavelengths	850 nm / 1300 nm
Maximum Attenuation	3.4 dB/km / 1.0 dB/km
Serial 1 Gigabit Ethernet	300 m / 550 m
Serial 10 Gigabit Ethernet	33 m / -
Min. Overfilled Launch (OFL) Bandwidth	200 MHz*km / 500 MHz*km
Minimum Effective Modal Bandwidth (EMB)	220 MHz*km / -

Notes: 1) Improved attenuation and bandwidth options available.  
2) Bend-insensitive single-mode fibers available on request.  
3) Contact a Corning Customer Care Representative for additional information.

## Ordering Information

Part Number	048K81-61130-A1
Product Description	MIC <sup>®</sup> Unitized Tight-Buffered, Interlocking Armored Cable, Riser, 48 F, 62.5 µm multimode (OM1)
EAN Code	4056418197999



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](http://www.corning.com/opcomm)

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