

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

36 F, SMF-28<sup>®</sup> Ultra fiber, Single-mode (OS2)

CORNING

Corning MIC<sup>®</sup> unitized riser cables are designed for use in riser and general purpose environments for intrabuilding backbone installations. These multifiber cables use individually jacketed 900  $\mu\text{m}$  buffered fibers enabling easy, consistent stripping and facilitating termination. The 6-, 12-, or 24-fiber subunits allow quick and easy identification and are surrounded by dielectric strength members and protected by a flame-retardant outer jacket.

The all-dielectric cable construction requires no grounding or bonding, making these cables ideal for routing inside buildings including riser shafts, to the telecommunications rooms and workstations. The MIC Unitized Riser Cables meet the application requirements of the National Electrical Code<sup>®</sup> (NEC<sup>®</sup>) Article 770 and the ICEA S-83-596 test criteria. They are OFNR and FT-4 listed.

*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

### 900 $\mu\text{m}$ Buffered Fibers

Easy, consistent stripping

### 6-, 12- or 24-fiber jacketed subunits

Quick and easy identification

### All-dielectric construction

Requires no grounding or bonding

### Flame-retardant jacket

Rugged and durable

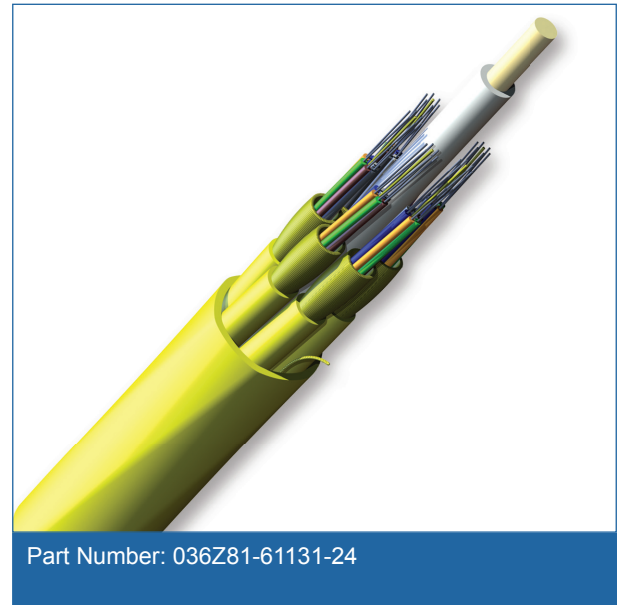
## Standards

### Listings

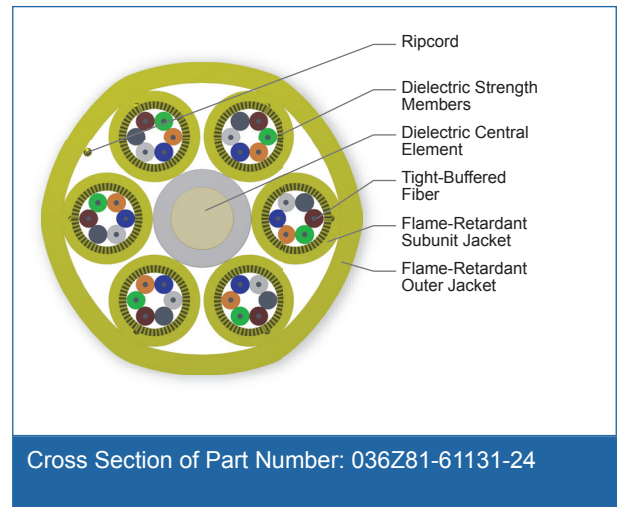
National Electrical Code<sup>®</sup>  
(NEC<sup>®</sup>) OFNR, CSA FT-4,  
ICEA S-83-596

### Flame Resistance

UL-1666 (for riser and general building applications)



Part Number: 036Z81-61131-24



Cross Section of Part Number: 036Z81-61131-24

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

36 F, SMF-28<sup>®</sup> Ultra fiber, Single-mode (OS2)

CORNING

## Specifications

General Specifications	
Environment	Indoor
Application	General Purpose Horizontal, Vertical Riser
Cable Type	Tight-Buffered
Product Type	Distribution
Flame Rating	Riser (OFNR)
Fiber Category	SMF-28 <sup>®</sup> Ultra fiber

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	Yellow
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	7
Outer Jacket Material	Flame-retardant
Outer Jacket Color	Yellow

Mechanical Characteristics Cable	
Max. Tensile Strength, Short-Term	1320 N (300 lbf)
Max. Tensile Strength, Long-Term	400 N (90 lbf)
Nominal Outer Diameter	14.8 mm (0.58 in)
Weight	181.3 kg/km (121.8 lb/1000 ft)
Min. Bend Radius Installation	222 mm (8.7 in)
Min. Bend Radius Operation	148 mm (5.8 in)

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

36 F, SMF-28<sup>®</sup> Ultra fiber, Single-mode (OS2)



## Chemical Characteristics

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
------	---

## Fiber Specifications

### Optical Characteristics (cabled)

Fiber Name	SMF-28 <sup>®</sup> Ultra fiber
Fiber Category	G.652.D/G.657.A1
Fiber Code	Z
Performance Option Code	31
Wavelengths	1310 nm / 1383 nm / 1550 nm
Maximum Attenuation	0.65 dB/km / 0.65 dB/km / 0.5 dB/km

## Ordering Information

Part Number	036Z81-61131-24
Product Description	MIC <sup>®</sup> Unitized Tight-Buffered Cable, Riser, 36 F, SMF-28 <sup>®</sup> Ultra fiber, Single-mode (OS2)
EAN Code	4056418190693



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)

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

© 2016 Corning Optical Communications. All rights reserved.

