

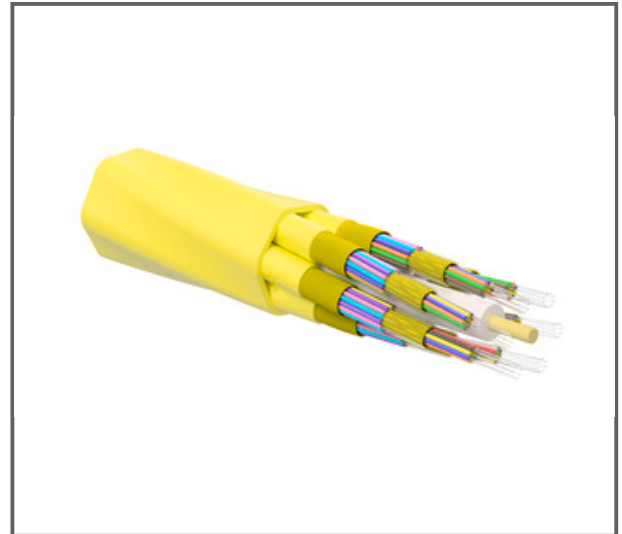
MIC® Unitized Tight-Buffered Cable, Riser 144 F, Single-mode (OS2)

CORNING

Part Number: **144E81-Y3131-24**

Corning MIC® unitized riser cables are designed for use in riser and general purpose environments for intrabuilding backbone installations. These multifiber cables use individually jacketed 900 µm 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® (NEC®) Article 770 and the ICEA S-83-596 test criteria. They are OFNR and FT-4 listed.



Features and Benefits

24-fiber jacketed subunits

Quick and easy identification

900 µm buffered fibers

Easy, consistent stripping

All-dielectric construction

Requires no grounding or bonding

Flame-retardant jacket

Rugged and durable

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Specifications

Mechanical Specifications

Max. Tensile Strength, Long-Term	400 N
Max. Tensile Strength, Short-Term	1320 N
Min. Bend Radius Installation	352.5 mm (13.88 in)
Min. Bend Radius Operation	235 mm (9.25 in)
Nominal Outer Diameter	23.5 mm (0.93 in)

Cable Design

Central Element	Jacketed GRP
Fiber Count	144
Number of Ripcords	13
Outer Jacket Color	Yellow
Outer Jacket Material	Flame-retardant
Tensile Strength Elements and/or Armoring - Layer 1	Dielectric strength members
Fibers per Subunit	24
Number of Active Tubes	6
Subunit Color	Yellow
Subunit Diameter	6.8 mm (0.27 in)
Tight Buffer Color Subunit	Blue, Orange, Green
Tight-Buffer Color Subunit, Layer 1	Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Tight Buffer Color Subunit, Layer 2	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Flame Rating	Riser (OFNR)

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Environmental Conditions

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

General Specifications

Environment	Indoor
Cable Type	Tight-Buffered
Product Type	Distribution
Fiber Category	Single-mode (OS2)
Flame Rating	Riser (OFNR)
Application	General Purpose Horizontal , Vertical Riser

Ordering Information

Weight	433.6 kg/km
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Standards

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Approvals and Listings	National Electrical Code® (NEC®) OFNR, CSA FT-4, ICEA S-83-596

Optical Characteristics

Fiber Code	E
Fiber Name	SMF-28e+® fiber

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Optical Characteristics

Fiber Type	Single-mode
Performance Option Code	31
Maximum Attenuation	0.4 dB/km / 0.4 dB/km / 0.4 dB/km
Wavelengths	1310 nm / 1383 nm / 1550 nm
Fiber Category	G.652.D



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