

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

144 F, Single-mode (OS2)

CORNING

Corning 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 buffered fibers enabling easy, consistent stripping and facilitating termination. The fibers are grouped into 6-, 12-, or 24-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 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 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, 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

TBII buffered fibers

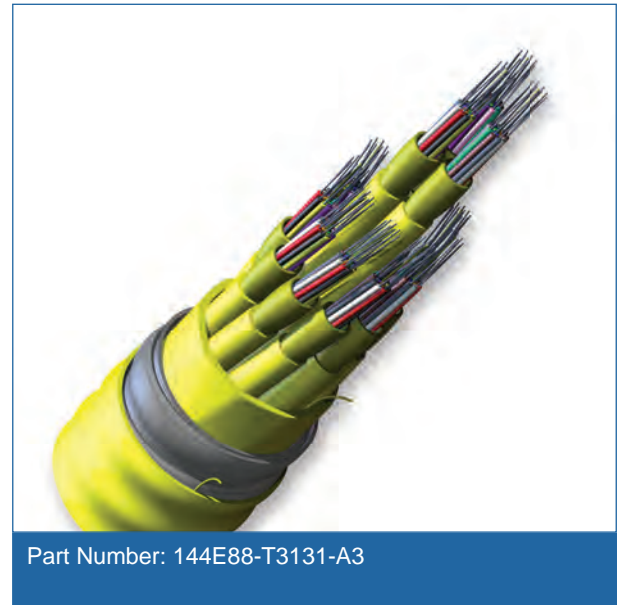
Easy, consistent stripping

6-, 12- or 24-fiber jacketed subunits

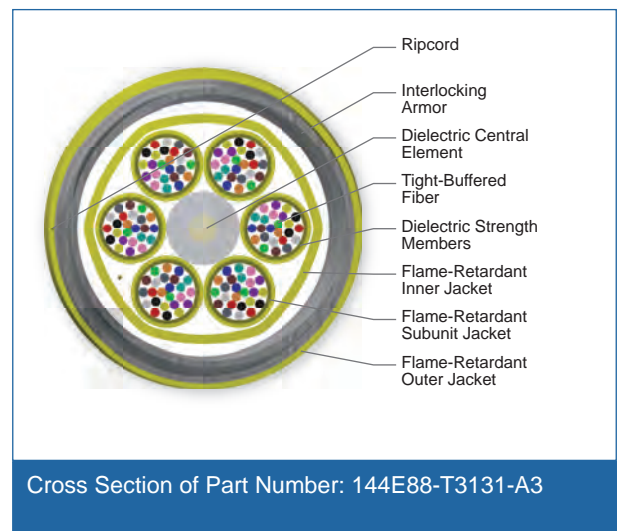
Quick and easy identification

Flame-retardant jacket

Rugged and durable



Part Number: 144E88-T3131-A3



Cross Section of Part Number: 144E88-T3131-A3

Standards

Approvals 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	Single-mode (OS2)

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	
Fiber Count	144
Number of Active Tubes	6
Subunit Color	Yellow
Number of Fibers per Subunit	24
Subunit Diameter	6.80 mm (0.27 in)
Tight buffer color subunit	Blue, Orange, Green
Tensile Strength Elements and/or Armoring - Layer 1	Dielectric strength members
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
Number of Ripcords	14
Outer Jacket Material	Flame-retardant
Outer Jacket Color	Yellow

Mechanical Characteristics Cable

Max. Tensile Strength, Short-Term	660 N (150 lbf)
Max. Tensile Strength, Long-Term	200 N (45 lbf)
Nominal Inner Cable Diameter	24.6 mm (0.97 in)
Nominal Outer Diameter	31.3 mm (1.23 in)

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Mechanical Characteristics Cable

Weight	735.8 kg/km (494.43 lb/1000 ft)
Min. Bend Radius Installation	469.5 mm (18.48 in)
Min. Bend Radius Operation	313 mm (12.32 in)

Chemical Characteristics

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

Optical Characteristics (cabled)

Fiber Name	SMF-28e [®] fiber
Fiber Category	G.652.D
Fiber Code	E
Performance Option Code	31
Wavelengths	1310 nm / 1383 nm / 1550 nm
Maximum Attenuation	0.65 dB/km / 0.65 dB/km / 0.50 dB/km

Ordering Information

Part Number	144E88-T3131-A3
Product Description	MIC [®] Unitized Tight-Buffered, Interlocking Armored Cable, Plenum, 144 F, Single-mode (OS2)
EAN Code	4056418197722



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