MIC® DX Tight-Buffered Armored Cable, Plenum

6 F, 50 µm multimode (OM2)

CORNING

Corning MIC® DX armored plenum cables are standard MIC subunits placed inside a dielectric armor for ruggedness and superior crush resistance without the conductive properties of traditional armor. These cables are designed for use in intrabuilding backbone and horizontal installations. Individually jacketed TBII® buffered fibers enable easy, consistent stripping and facilitate termination.

The fibers are stranded around a dielectric central member that is protected by a flexible, all-dielectric armor offering easy, one-step installation and over four 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.

Part Number: 006T88-31131-D3

Features and Benefits

Dielectric armor
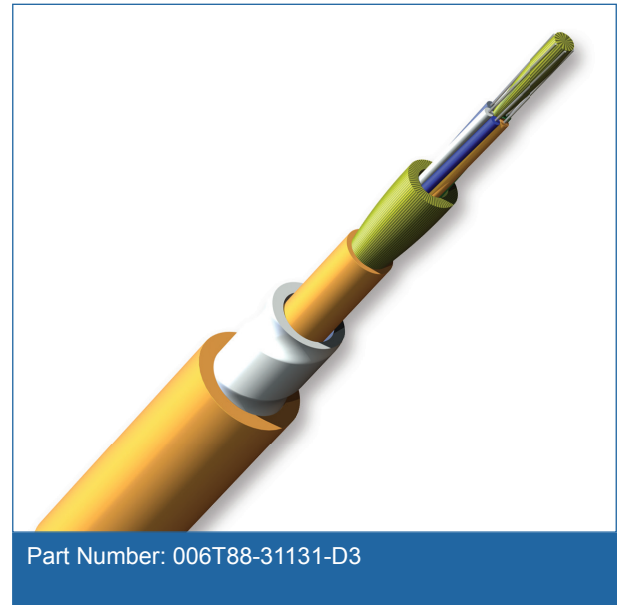Four times crush protection compared to unarmored

TBII buffered fibers
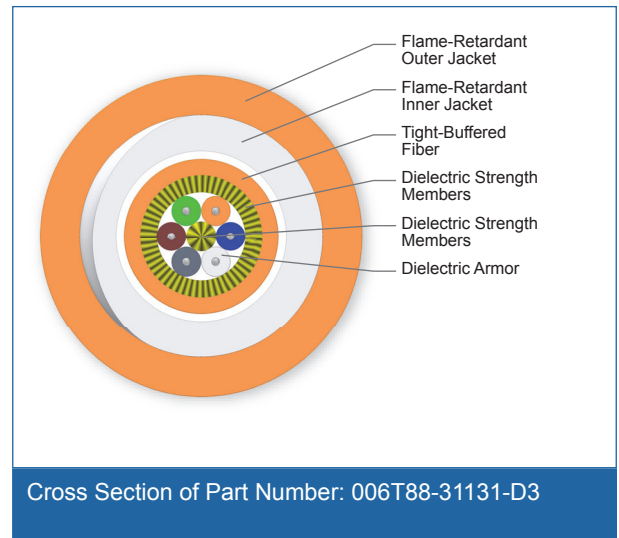Easy, consistent stripping

Flame-retardant jacket
Rugged and durable

Easy armor removal
Increased safety and speed at installation

Cross Section of Part Number: 006T88-31131-D3

Standards

Approvals and Listings	National Electrical Code® (NEC®) OFNP, CSA FT-6, ICEA S-83-596
Flame Resistance	NFPA 262 (for plenum, riser and general building applications)

CORNING

MIC® DX Tight-Buffered Armored Cable, Plenum

6 F, 50 µm multimode (OM2)

CORNING

Specifications

General Specifications	
Environment	Indoor
Application	General Purpose Horizontal, Plenum
Cable Type	Tight-Buffered
Product Type	Dielectric armor
Flame Rating	Plenum (OFNP)
Fiber Category	50 µm MM (OM2)

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	
Fiber Count	6
Tight Buffer Color	Blue, Orange, Green, Brown, Slate, White
Tensile Strength Elements and/or Armoring - Layer 1	Dielectric strength members
Inner Jacket Material	Flame-retardant
Tensile Strength Elements and/or Armoring - Layer 3	Dielectric armor
Outer Jacket Material	Flame-retardant
Outer Jacket Color	Orange

Mechanical Characteristics Cable	
Nominal Inner Cable Diameter	4.4 mm (0.17 in)
Nominal Outer Diameter	10.5 mm (0.41 in)
Weight	123.9 kg/km (83.3 lb/1000 ft)
Max. Tensile Strength, Short-Term	890 N (200 lbf)
Max. Tensile Strength, Long-Term	444 N (100 lbf)
Min. Bend Radius Installation	158 mm (6.2 in)
Min. Bend Radius Operation	105 mm (4.1 in)

CORNING

MIC® DX Tight-Buffered Armored Cable, Plenum

6 F, 50 µm multimode (OM2)

CORNING

Fiber Specifications

Optical Characteristics (cabled)	
Fiber Core Diameter	50 µm
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	006T88-31131-D3
Product Description	MIC® DX Tight-Buffered Armored Cable, Plenum, 6 F, 50 µm multimode (OM2)
EAN Code	4056418180151

RoHS COMPLIANT

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.
© 2016 Corning Optical Communications. All rights reserved.

CORNING