MIC® Tight-Buffered Cable, Plenum

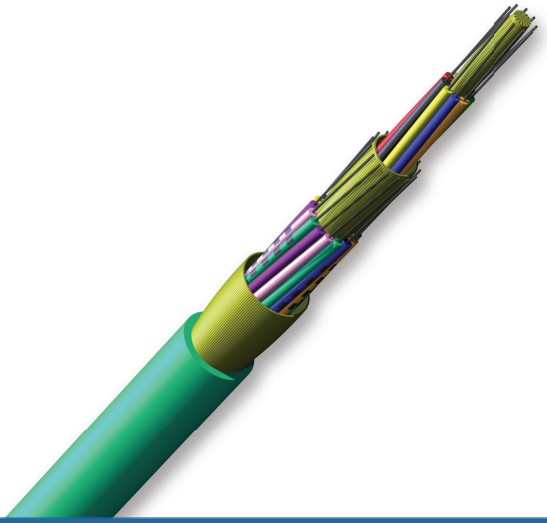
24 F, 50 µm multimode (OM4)

CORNING

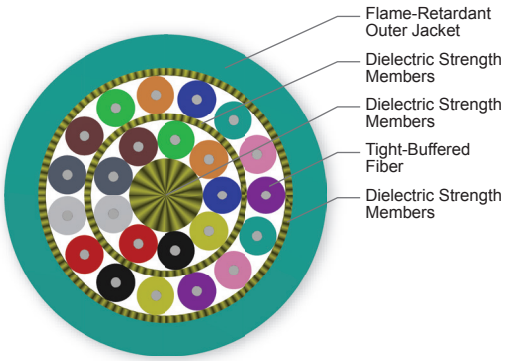
Corning MIC® plenum cables are designed for use in plenum, riser and general purpose environments for intrabuilding backbone and horizontal installations. These multifiber cables use 900 µm buffered fibers to allow easy, consistent stripping and to facilitate termination. The fibers are surrounded by dielectric strength members and protected by a flame-retardant outer jacket.

The all-dielectric cable construction requires no grounding or bonding. MIC plenum cables are ideal for routing inside buildings, within plenum areas and riser shafts, to the telecommunications rooms and workstations. The MIC plenum cables meet the application requirements of the National Electrical Code® (NEC®) Article 770 and are OFNP and FT-6 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.



Part Number: 024T88-33190-29



Cross Section of Part Number: 024T88-33190-29

Features and Benefits

900 µm Buffered Fibers
Easy, consistent stripping

All-dielectric construction
Requires no grounding or bonding

Flame-retardant jacket
Rugged and durable

Standards

Listings	National Electrical Code® (NEC®) OFNP, FT-6
Design and Test Criteria	NFPA 262 and CSA FT-6 (for plenum, riser and general building applications); ICEA S-83-596

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Specifications

General Specifications	
Environment	Indoor
Application	General Purpose Horizontal, Vertical Riser, Plenum
Cable Type	Tight-Buffered
Product Type	Distribution
Flame Rating	Plenum (OFNP)
Fiber Category	50 µm MM (OM4)

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	Yarn
Fiber Count	24
Tight Buffer Color	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow
Tensile Strength Elements and/or Armoring - Layer 1	Dielectric strength members
Tight Buffer Color, Layer 2	Violet, Rose, Aqua, Blue*, Orange*, Green*, Brown*, Slate*, White*, Red*, Black*, Yellow*, Violet*, Rose*, Aqua*
Tensile Strength Elements and/or Armoring - Layer 2	Dielectric strength members
Outer Jacket Material	Flame-retardant
Outer Jacket Color	Aqua

Mechanical Characteristics Cable	
Max. Tensile Strength, Short-Term, ≤12F	440 N (100 lbf)
Max. Tensile Strength, Short-Term, >12F	660 N (150 lbf)
Max. Tensile Strength, Long-Term, ≤12F	132 N (30 lbf)
Max. Tensile Strength, Long-Term, >12F	200 N (45 lbf)
Nominal Outer Diameter	7.7 mm (0.31 in)
Weight	58.3 kg/km (39 lb/1000 ft)
Min. Bend Radius Operation	77 mm (3.1 in)
Min. Bend Radius Installation	117 mm (4.6 in)

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Fiber Specifications

Optical Characteristics (cabled)	
Fiber Core Diameter	50 µm
Fiber Category	OM4
Fiber Code	T
Performance Option Code	90
Wavelengths	850 nm / 1300 nm
Maximum Attenuation	2.8 dB/km / 1.0 dB/km
Serial 1 Gigabit Ethernet	1000 m / 600 m
Serial 10 Gigabit Ethernet	550 m / -
Min. Overfilled Launch (OFL) Bandwidth	3500 MHz*km / 500 MHz*km
Minimum Effective Modal Bandwidth (EMB)	4700 MHz*km / -

Ordering Information

Part Number	024T88-33190-29
Product Description	MIC® Tight-Buffered Cable, Plenum, 24 F, 50 µm multimode (OM4)
EAN Code	4056418180366

RoHS COMPLIANT

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