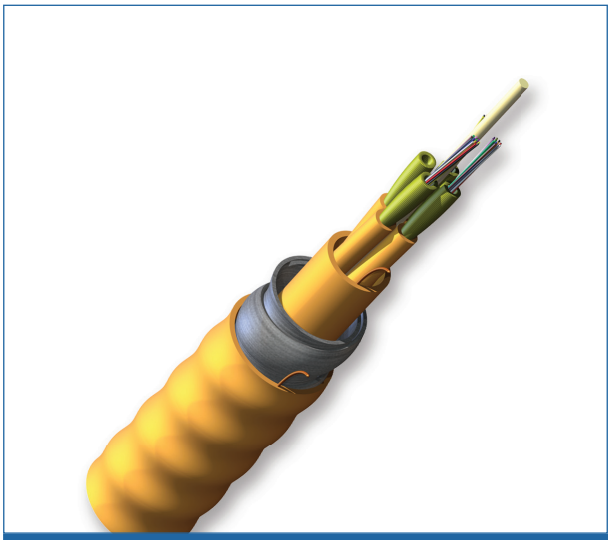
MIC® 250 Interlocking Armored Distribution Cable, Plenum

36 F, 50 µm multimode (OM2)

CORNING

Corning MIC® 250 cables utilize 250 µm color-coded optical fibers surrounded by dielectric strength members with a flexible, flame-retardant outer jacket. These cables are ideal for creating multifiber preconnectorized assemblies as the 12-fiber groupings enable efficient compatibility with multifiber connectors. The flexible, flame-retardant jacket and non-preferential bend axis allow easy installation in space-constrained areas.The core is protected by a flexible, spirally-wrapped, aluminum interlocking armor that offers easy, one-step installation.

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: 036TD8-T1331-A3

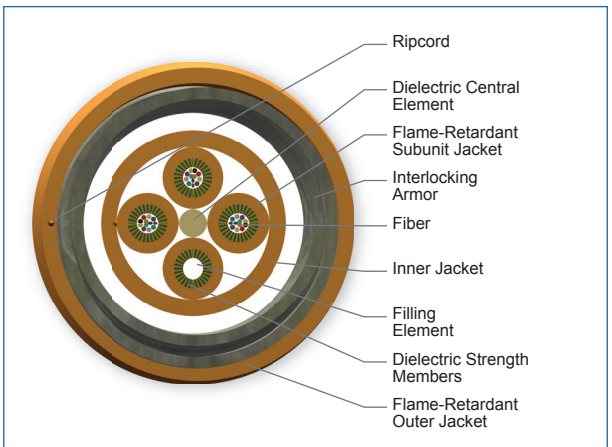
Features and Benefits

Color-coded fibers
Quick and easy identification

12-fiber groupings
Compatibility with multifiber connectors

Standards

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



Cross Section of Part Number: 036TD8-T1331-A3

Specifications

General Specifications	
Environment	Indoor
Application	General Purpose Horizontal, Vertical Riser, Plenum
Cable Type	Loose Tube
Product Type	Distribution

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General Specifications	
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	
Central Element	Yarn
Fiber Count	36
Fibers per Subunit	12
Fiber Coloring	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Tensile Strength Elements and/or Armoring - Layer 1	Dielectric strength members
Subunit Jacket Material	Flame-retardant
Subunit Color	Orange
Number of Subunits	4
Number of Ripcords	1
Outer Jacket Material	Flame-retardant
Outer Jacket Color	Orange
Number of Filling Elements	1

Mechanical Characteristics Cable	
Weight	202.82 kg/km (136.28 lb/1000 ft)
Nominal Outer Diameter	15.7 mm (0.61 in)
Max. Tensile Strength, Short-Term	660 N (150 lbf)
Max. Tensile Strength, Long-Term	200 N (45 lbf)
Min. Bend Radius Installation	235.5 mm (9.27 in)
Min. Bend Radius Operation	157 mm (6.18 in)

Chemical Characteristics	
RoHS	Free of hazardous substances according to RoHS 2011/65/EU

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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	3.0 dB/km / 1.0 dB/km
Serial 1 Gigabit Ethernet	750 m / 500 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 / -

Notes: 1) *50 µm multimode fiber macrobend loss ≤ 0.2 dB at 850 nm for two turns around 7.5 mm radius mandrel.*
2) *Improved attenuation and bandwidth options available.*
3) *Bend-insensitive single-mode fibers available on request.*
4) *Contact a Corning Customer Care Representative for additional information.*

Ordering Information

Part Number	036TD8-T1331-A3
Product Description	MIC® 250 Distribution Cable, Plenum, Interlocking Armor, 36 F, 50 µm multimode (OM2)
EAN Code	4056418160214

RoHS COMPLIANT

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