

MIC® Mini 250 Cable, Plenum

CORNING

MIC Mini 250 Plenum is an indoor fiber optic cable designed to deliver reliable performance, simplified installation, and long-term durability in plenum, riser, and general purpose environments. Featuring a 4.8mm OD, this cable is optimized for space-constrained pathways. The durable plenum rated jacket enables compliance with ICEA 696, while the smaller cable OD, higher tensile strength, and enhanced crush resistance helps ensure faster, cleaner installations. MIC Mini 250 Plenum is an ideal solution for indoor installations, offering a balance of performance, protection, and installation efficiency to meet today's evolving network demands.

Features and Benefits

Small diameter and bend radius

Easy installation in space-constrained areas

All-dielectric construction

Requires no grounding or bonding

Lightweight

Increased sustainability

Color-coded 250 µm fibers

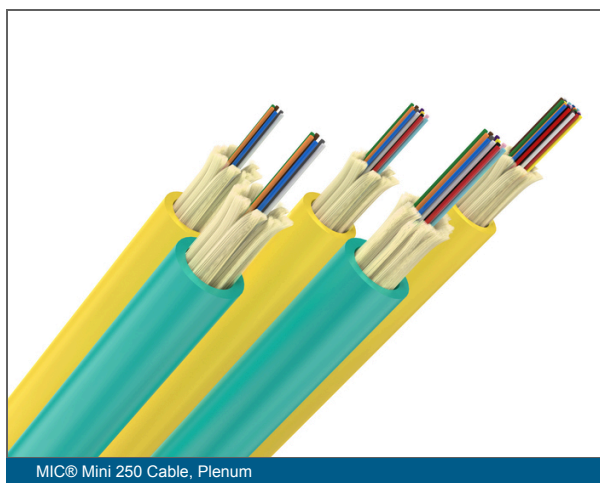
Quick and easy identification

Increased crush resistance and pulling tension

Rugged and durable

Flame-retardant jacket

Indoor environment ready



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Specifications

General Specifications

Environment	Indoor
Product Type	Distribution
Cable Type	Loose Tube
Flame Rating	Plenum (OFNP)

Temperature Range

Temperature Range, Storage	-40 °C - 70 °C (-40 °F - 158 °F)
Temperature Range, Installation	0 °C - 60 °C (32 °F - 140 °F)
Temperature Range, Operation	-40 °C - 70 °C (-40 °F - 158 °F)

Design Characteristics Cable

Fiber Count
6 - 24

Mechanical Characteristics Cable

Fiber Count	Product Type	Nominal Outer Diameter	Min. Bend Radius Installation	Min. Bend Radius Operation	Crush Resistance	Max. Tensile Strength, Short-Term	Max. Tensile Strength, Long-Term	Cable Weight
6	Distribution	4.8 mm	96 mm (3.78 in)	48 mm (1.89 in)	220 N/cm	1335 N (300.12 lbf)	675 N (151.75 lbf)	19.7 kg/km (13.24 lb/1000 ft)
12	Distribution	4.8 mm	96 mm (3.78 in)	48 mm (1.89 in)	220 N/cm	1335 N (300.12 lbf)	675 N (151.75 lbf)	20.5 kg/km (13.78 lb/1000 ft)
24	Distribution	4.8 mm	96 mm (3.78 in)	48 mm (1.89 in)	220 N/cm	1335 N (300.12 lbf)	675 N (151.75 lbf)	22.1 kg/km (14.85 lb/1000 ft)

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Transmission Performance

Multimode	
Fiber Category	OM4
Fiber Code	T
Performance Option Code	90
Fiber Core Diameter	50 µm
Wavelengths	850 nm / 1300 nm
Maximum Attenuation	3.0 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 / -

Transmission Performance

Single-mode	
Fiber Name	Bend-Improved Single-mode (OS2)
Performance Option Code	01
Fiber Category	OS2
Wavelengths	1310 nm / 1383 nm / 1550 nm
Fiber Code	Z
Maximum Attenuation	0.4 dB/km / 0.4 dB/km / 0.3 dB/km

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D **9** - **3** **1** **3** **D 2 7**

1 **2** **3** **4** **5** **6** **7** **8** **9**

1 Select fiber count.
006 012 024 (SM only)

2 Select fiber code.
T = 50 µm multimode (OM4)
Z = Single-mode (OS2)
SMF-28® Ultra fiber

3 Defines cable type.
D = MIC Mini 250

4 Defines outer jacket.
9 = Plenum rated

5 Defines fiber placement.
3 = Loose fiber

6 Defines length markings.
1 = Markings in ft (standard)

7 Defines tensile strength.
3 = See specifications

8 Select performance option code.
90 = 50 µm multimode (OM4)
01 = Single-mode (OS2)
(Max. attenuation 0.4/0.4/0.3 dB/km)

9 Defines cable type.
D27 = FREEDM Mini



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