

MIC® Riser Cables, 2-24 Fibers

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Features and Benefits

900 µm TBII® Buffered Fibers

Easy, consistent stripping

All-dielectric cable construction

Requires no grounding or bonding

Flame-retardant jacket

Rugged and durable

Standards

Approvals and Listings

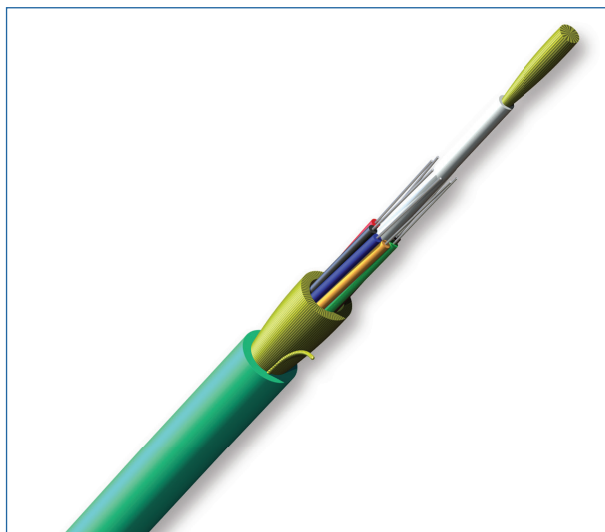
National Electrical Code®
(NEC®) OFNR, CSA FT-4,
ICEA S-83-596

Flame Resistance

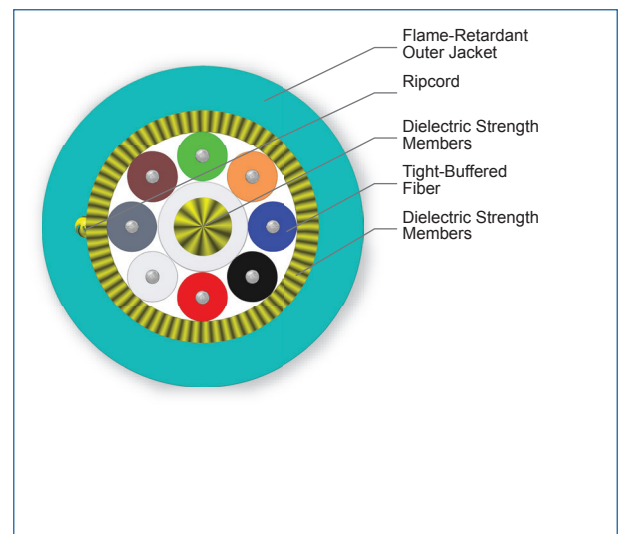
UL-1666 (for riser and general building applications)

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

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.



MIC Riser Cables, 8 Fibers
| Photo PIM0849

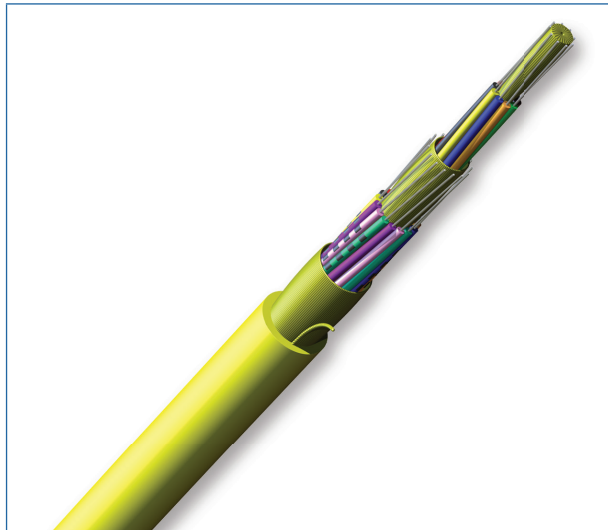


MIC Riser Cables, 8 Fibers
| Photo PIM1749

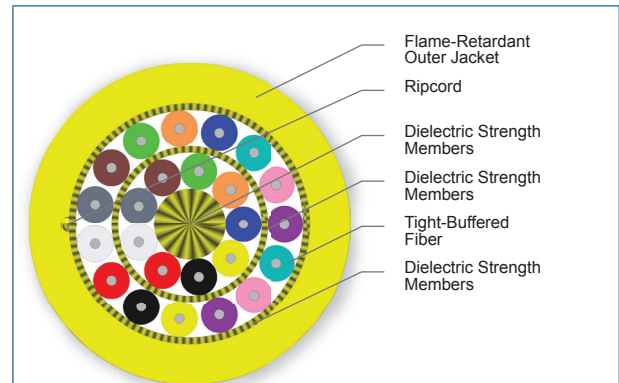
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MIC[®] Riser Cables, 2-24 Fibers

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MIC Riser Cables, 24-Fibers | Photo PIM0856



MIC Riser Cables, 24-Fibers

Specifications

Temperature Range

Storage	-40 °C to 70 °C (-40 °F to 158 °F)
Installation	-10 °C to 60 °C (14 °F to 140 °F)
Operation	-20 °C to 70 °C (-4 °F to 158 °F)

* Note: Corning recommends storing cable in a proper temperature environment prior to installation to allow the cable temperature to meet installation temperature range specifications for best installation results.

Max. Tensile Strength, Short-Term	660 N (150 lbf)
Max. Tensile Strength, Long-Term	200 N (45 lbf)

Mechanical Characteristics Cable

Fiber Count	Central Element	Nominal Outer Diameter	Min. Bend Radius Installation	Min. Bend Radius Operation	Weight	Product Type
Dual-Layer						
12	Yarn	6.10 mm (0.24 in)	91.5 mm (3.60 in)	61 mm (2.40 in)	30.1 kg/km (20.23 lb/1000 ft)	Distribution
18	Yarn	6.80 mm (0.26 in)	97.5 mm (3.83 in)	68 mm (2.67 in)	37.1 kg/km (24.83 lb/1000 ft)	Distribution
24	Yarn	7.35 mm (0.29 in)	110.25 mm (4.34 in)	73.5 mm (3.1 in)	47 kg/km (39 lb/1000 ft)	Distribution

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Mechanical Characteristics Cable

Fiber Count	Central Element	Nominal Outer Dia- meter	Min. Bend Radius Instal- lation	Min. Bend Radius Ope- ration	Weight	Product Type
24	Yarn	7.35 mm (0.29 in)	110.25 mm (4.34 in)	73.5 mm (2.89 in)	47.0 kg/km (28.88 lb/1000 ft)	Distribution
Single-Layer						
2	Yarn	4.30 mm (0.17 in)	64.5 mm (2.5 in)	43 mm (1.69 in)	14.7 kg/km (9.88 lb/1000 ft)	Distribution
4	Yarn	4.60 mm (0.18 in)	69 mm (2.71 in)	46 mm (1.81 in)	17.6 kg/km (11.82 lb/1000 ft)	Distribution
6	Yarn	5.10 mm (0.20 in)	76.5 mm (3.01 in)	51 mm (2.00 in)	21.1 kg/km (14.18 lb/1000 ft)	Distribution
8	Jacketed GRP	5.55 mm (0.22 in)	83.25 mm (3.28 in)	55.5 mm (2.18 in)	24.4 kg/km (16.40 lb/1000 ft)	Distribution

Transmission Performance

Multimode					
Fiber Core Diameter (μm)	62.5	50	50	50	50
Fiber Category	OM1	OM2	OM3	OM4	OM4 Extended Distance
Fiber Code	K	T	T	T	T
Performance Option Code	30	31	80	90	91
Wavelengths (nm)	850/1300	850/1300	850/1300	850/1300	850/1300
Maximum Attenuation (dB/km)	3.4/1.0	2.8/1.0	2.8/1.0	2.8/1.0	2.8/1.0
Serial 1 Gigabit Ethernet (m)	200/500	750/600	1000/600	1100/600	1100/600
Serial 10 Gigabit Ethernet (m)	220/-	150/-	300/-	550/-	600/-
Min. Overfilled Launch (OFL) Bandwidth (MHz*km)	300/550	700/500	1500/500	3500/500	3500/500
Minimum Effective Modal Bandwidth (EMB) (MHz*km)	33/-	950/-	2000/-	4700/-	5350/-

* Assumes 1.0 dB maximum total connector/splice loss.

* Assumes 0.7 dB maximum total connector/splice loss.

* Meets 0.75 ns optical skew when used in all Corning Plug and Play™/Pretium EDGE® systems solutions.

* ITU-T G.652 D compliant.

Notes: 1) Improved attenuation and bandwidth options available.

2) Bend-insensitive single-mode fibers available on request.

3) Contact a Corning Customer Care Representative for additional information.

4) 50 μm multimode fiber macrobend loss ≤ 0.2 dB at 850 nm for two turns around 7.5 mm radius mandrel.

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*** SMF-28® Ultra and ClearCurve® XB fiber deliver up to 10x better macrobend loss performance compared to the G.652.D standard and up to 33 percent better macrobend loss performance than the G.657.A1 standard for 10mm radii bends.*

A horizontal number line with 10 positions, numbered 1 to 10 below. Each position has a box above it for a digit. The boxes are empty.

- Note: 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 while still providing all of the required environmental protection of an indoor/outdoor cable jacket. Black is the standard jacket color using the part numbers shown here. Contact Customer Care at 1-800-743-2675 to order other color options.*

MIC[®] Riser Cables, 2-24 Fibers

The Corning logo consists of a solid blue square with the word "CORNING" in white, uppercase, sans-serif font centered within it.

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Notes



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