MIC® Riser Cables, 2-24 Fibers

A LANscape® Solutions Product

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

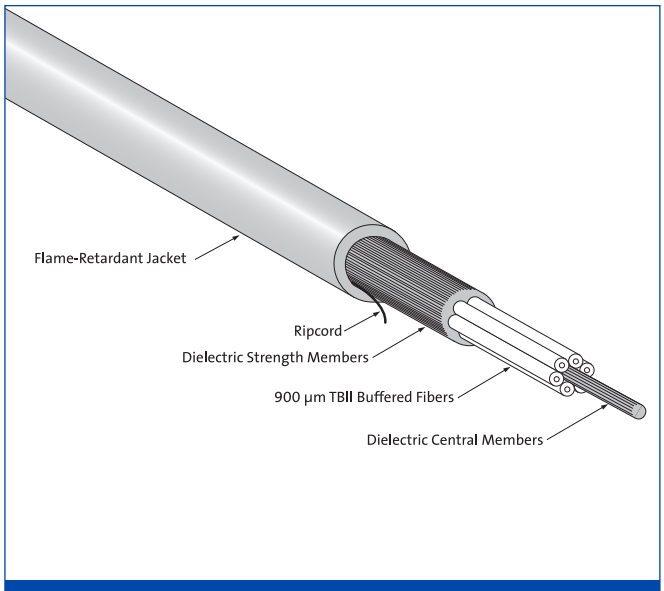
Corning Cable Systems MIC® Riser Cables are designed for use in riser and general purpose environments for intrabuilding backbone and horizontal installations. These multi-fiber cables use 900 µm TBII Buffered Fibers to enable easy, consistent stripping and facilitate termination. With a dielectric central member, 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, making these cables ideal for routing inside buildings including riser shafts, to the telecommunications rooms and workstations.

Available in 50 µm, 62.5 µm, single-mode and hybrid versions, the MIC Riser Cables meet the application requirements of the National Electrical Code® (NEC® Article 770) and the ICEA S-83-596 test criteria. They are OFNR and FT-4 listed for riser and general-purpose use and available in OFNP and FT6 listed versions.

(continued)

RoHS COMPLIANT

MIC Riser Cable | Photo CLT16



MIC Riser Cable, 6-Fiber | Drawing CPC-220/1/33

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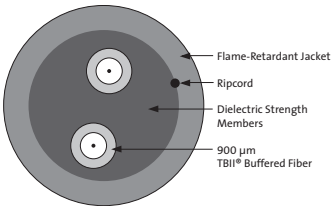
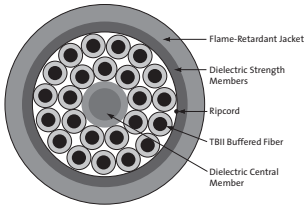
For special applications requiring additional mechanical durability, an interlocking armor option is available.

These cables are also offered with Gigabit Ethernet and 10 Gigabit Ethernet performance.



MIC Cable, 2-Fiber | Drawing CPC-220/1/31



MIC Cable, 24-Fiber | Drawing CPC-220/1/38

specifications |

Temperatures	Storage:	-40° to +70°C (-40° to +158°F)
	Installation:	-10° to +60°C (+14° to +140°F)
	Operation:	-20° to +70°C (-4° to +158°F)
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 Cable Systems 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.

Fiber Count	Nominal Outside Diameter mm (in)	Nominal Cable Weight kg/km (lb/1000 ft)	Central Member	Maximum Tensile Loads Short-Term N (lbf)	Maximum Tensile Loads Long-Term N (lbf)	Minimum Bend Radius Loaded cm (in)	Minimum Bend Radius Installed cm (in)
Single Layer							
2	4.7 (0.19)	18 (12)	Y	660 (150)	200 (45)	7.1 (2.8)	2.4 (1.0)
4	5.0 (0.20)	22 (15)	Y	660 (150)	200 (45)	7.5 (3.0)	2.5 (1.0)
6	5.5 (0.22)	26 (17)	Y	660 (150)	200 (45)	8.3 (3.3)	2.8 (1.1)
8	6.0 (0.24)	32 (21)	JG	660 (150)	200 (45)	9.0 (3.6)	6.0 (2.4)
Dual Layer							
12 (9/3)	6.3 (0.25)	32 (22)	Y	660 (150)	200 (45)	9.5 (3.7)	3.2 (1.3)
18 (12/6)	7.4 (0.29)	48 (32)	Y	1320 (300)	400 (90)	11.1 (4.4)	7.4 (2.9)
24 (15/9)	8.0 (0.31)	56 (39)	Y	1320 (300)	400 (90)	12.0 (4.7)	8.0 (3.1)

Note:
Central Member Types: Y = Yarn, JG = Jacketed GRP.
Fiber arrangement in dual-layer designs is shown in parentheses. Example: (9/3) = 9 outside fibers around 3 inner fibers.

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transmission performance |

	LANscape® 62.5 Solutions	LANscape Pretium® 150 Solutions	LANscape Pretium 300 Solutions	LANscape Pretium 550 Solutions	LANscape Pretium 600 Solutions	Single-Mode
Fiber Code	K	T	T	T	T	E
Performance Option Code	30	31	80	90	91	31
Optical Fiber Type (µm)	62.5 Multimode	50 Multimode	50 Multimode	50 Multimode	50 Multimode	Single-mode****
ISO/IEC 11801 Nomenclature	OM1	OM2	OM3***	OM4***	OM4***	OS2
Wavelength (nm)	850/1300	850/1300	850/1300	850/1300	850/1300	1310/1383/1550
Maximum Attenuation (dB/km)	3.4/1.0	2.8/1.0	2.8/1.0	2.8/1.0	2.8/1.0	0.65/0.65/0.50
Minimum Over Filled Launch (OFL) Bandwidth (MHz•km)	200/500	700/500	1500/500	3500/500	3500/500	– / – / –
Minimum Effective Modal Bandwidth (EMB) (MHz•km)	220/ –	950/ –	2000/ –	4700/ –	5350/ –	– / – / –
Serial 1 Gigabit Ethernet Distance (m)	300/550	750/600	1000/600	1100/600	1100/600	5000 / – / –
Serial 10 Gigabit Ethernet Distance (m)	33/ –	150/ –	300/ –	550*/ –	600**/ –	10000/ – /40000

** 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 Cable Systems Plug & Play™ Systems solutions.*
***** ITU 652.D compliant.*

Notes:
1) Improved attenuation and bandwidth options available.
2) Bend-insensitive single-mode fibers available on request.
3) Contact a Corning Cable Systems Customer Service 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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MIC® Riser Cables, 2-24 Fibers

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ordering information | Contact Customer Service at 800-743-2671 for other options.

☐	☐	☐	☐	8	1	-	3	☐	1	☐	☐	-	2	4
1	2	3	4	5	6		7	8	9	10	11	12	13	14

1-3

Select fiber count.

Standard offerings:
002 006 012 024
004 008 018

4

Select fiber code (see Transmission Performance table).

5 / 12

Defines cable type.

8 / - = Standard for MIC® Cable

6

Defines outer jacket.

1 = Standard for riser

7

Defines fiber placement.

3 = Standard

8

Select length markings.

1 = Markings in feet (fiber counts ≤ 10)
3 = Markings in feet (fiber counts > 10)

9

Defines tensile strength (see Specifications).

10-11

Select performance option code (see Transmission Performance table).

13-14

Defines special requirements.

24 = Standard for MIC Riser Cable

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LAN-89-EN / October 2009

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