

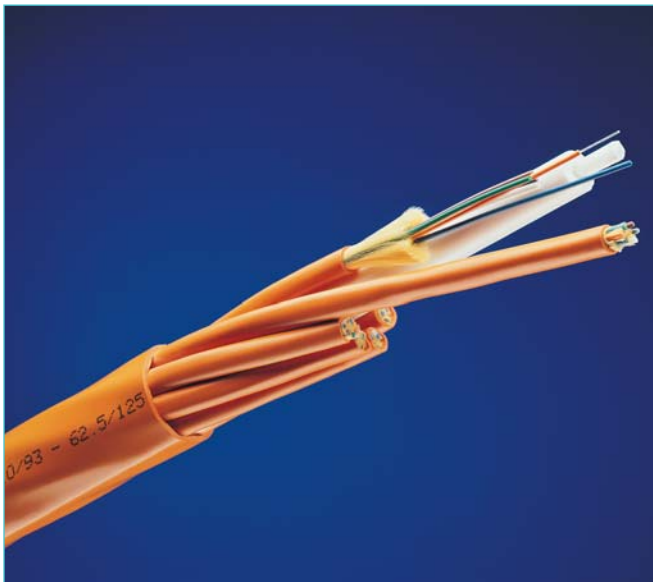
MIC[®] Unitized Riser Cables 36-144 Fibers

A LANscape[®] Pretium[™]
Solutions Product

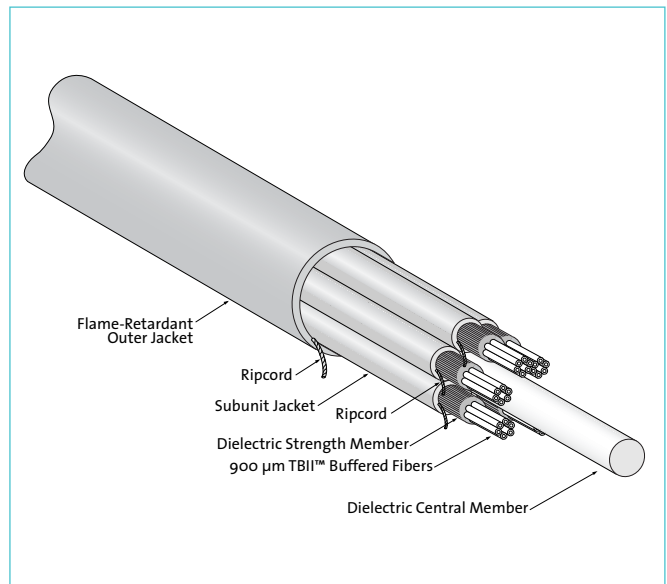
features and benefits |

900 µm TBII[®] Buffered Fibers	Easy, consistent stripping
6- or 12-fiber jacketed subunits	Quick and easy identification
All-dielectric cable construction	Requires no grounding or bonding
Flame-retardant jacket	Rugged and durable

Corning Cable Systems MIC[®] Unitized Riser Cables are designed for use in riser and general purpose environments for intrabuilding backbone installations. These multifiber cables use individually jacketed 900 µm TBII[®] Buffered Fibers enabling easy, consistent stripping and facilitating termination. The 6- or 12-fiber included subunits allow quick and easy identification and 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 Unitized 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 are also available in OFNP and FT6 listed versions. 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 Unitized Cable | Photo CLT17

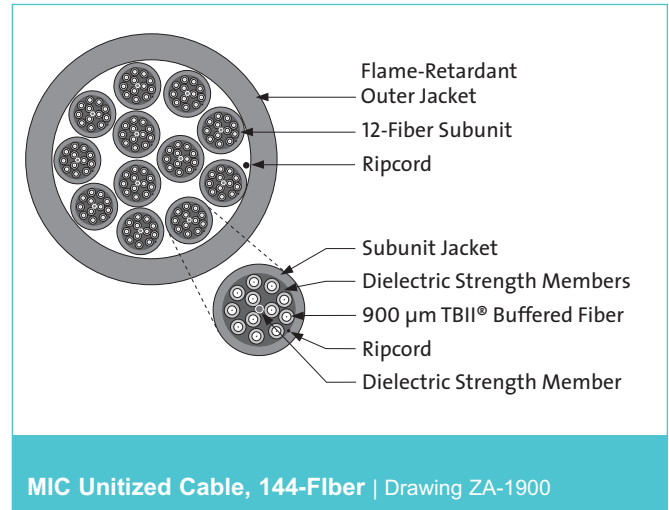
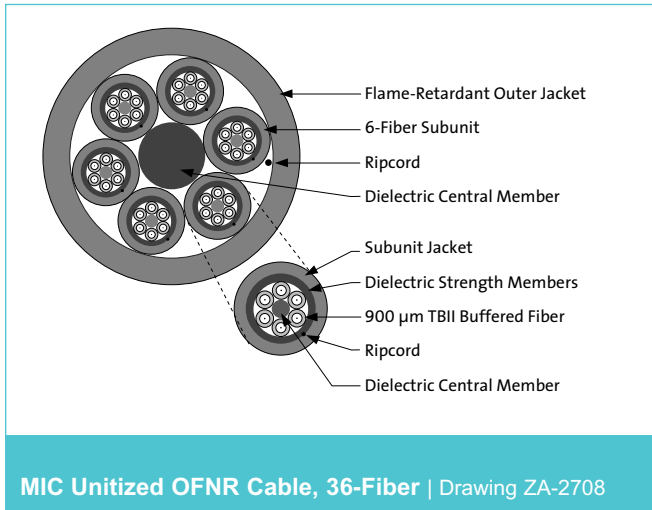


MIC Unitized Cable, 36-Fiber | Drawing ZA-1895

MIC[®] Unitized Riser Cables

36-144 Fibers

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specifications |

Maximum Tensile Loads

Short-Term:	1320 N (297 lbf)
Long-Term:	396 N (89 lbf)

Temperatures

Storage:	-40° to +75°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 indoor/outdoor 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	Unit Count	Nominal Outside Diameter mm (in)	Nominal Weight kg/km (lb/1000 ft)	Central Member	Minimum Bend Radius Loaded cm (in)	Minimum Bend Radius Installed cm (in)
6-Fiber Subunits						
36	6	14.8 (0.58)	186 (127)	JG	22.2 (8.7)	14.8 (5.8)
48	8	17.8 (0.69)	264 (177)	JG	26.7 (10.5)	17.8 (7.0)
12-Fiber Subunits						
60	5	17.9 (0.70)	233 (159)	JG	26.9 (10.6)	17.9 (7.0)
72	6	18.6 (0.73)	276 (190)	JG	27.9 (11.0)	18.6 (7.3)
96	8	22.2 (0.87)	400 (268)	JG	33.3 (13.1)	22.2 (8.7)
144	12 (9/3)	23.7 (0.93)	409 (278)	–	35.5 (14.0)	23.7 (9.3)

Central Member Types: G = Glass Reinforced Plastic (GRP), JG = Jacketed GRP

Note: Unit count includes the arrangement when in a dual-layer design. Example: 12 (9/3**) = 9 outside units around 3 inner units where 2 of the inner units are fillers.

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transmission performance |

	LANscape [™] 62.5	Pretium [™] 150 Solutions	Pretium 300 Solutions	Pretium 550 Solutions	Pretium 600 Solutions	Single-Mode	Bend-Improved Single-Mode
Fiber Code	K	C	S	S	S	E	H
Performance Option Code	30	31	80	90	91	31	31
Optical Fiber Type (µm)	62.5 Multimode	50 Multimode	50 Multimode	50 Multimode	50 Multimode	Single-mode****	Bend-Improved Single-mode*****
ISO/IEC 11801 Nomenclature	OM1	OM2	OM3***	OM3***	OM3***	OS2	OS2
Wavelength (nm)	850/1300	850/1300	850/1300	850/1300	850/1300	1310/1383/1550	1310/1383/1550
Maximum Attenuation (dB/km)	3.4/1.0	3.0/1.0	3.0/1.0	3.0/1.0	3.0/1.0	0.65/0.65/0.5	0.65/0.65/0.5
Minimum Over Filled Launch (OFL) Bandwidth (MHz•km)	200/500	700/500	1500/500	1500/500	1500/500	- / - / -	- / - / -
Minimum Effective Modal Bandwidth (EMB) (MHz•km)	220/ -	950/ -	2000/ -	4700/ -	5350/ -	- / - / -	- / - / -
Serial 1 Gig Distance (m)	300/550	750/600	1000/600	1000/600	1000/600	5000 / - / -	5000 / - / -
Serial 10 Gig Distance (m)	33/ -	150/ -	300/ -	550*/ -	600**/ -	10000/ - /40000	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.

***** ITU 652.D compliant, ITU 657.A compliant.

Notes:

- 1) Improved attenuation and bandwidth options available.
- 2) Bend-insensitive single-mode fibers available on request.
- 3) Contact Corning Cable Systems Customer Service Representative for additional information.

MIC[®] Unitized Riser Cables

36-144 Fibers

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

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8	1	-	<input type="checkbox"/>	<input type="checkbox"/>	1	<input type="checkbox"/>	<input type="checkbox"/>	-	2	4
1	2	3	4	5	6	7	8	9	10	11	12	13	14	

|1-3

Select fiber count.

036	072
048	096
060	144

|5 / 12

Defines cable type.

8/- = Standard for MIC[®]/MIC Unitized Cable Family

|9

Defines tensile strength (see Specifications).

|13-14

Defines special manufacturing code.

24 = Standard for MIC Unitized Riser Cables

|4

Select fiber code (see Transmission Performance table).

|6

Defines outer jacket.

1 = Riser

|10-11

Select performance option code (see Transmission Performance table).

|7-8

Select number of fibers per subunit.

61 = 6 fibers per subunit (036-048 fibers)

T3 = 12 fibers per subunit (060-144 fibers)

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