

MIC[®] Unitized Interlocking Armored Riser Cables, 36-144 Fibers

A LANscape[®] Solutions Product

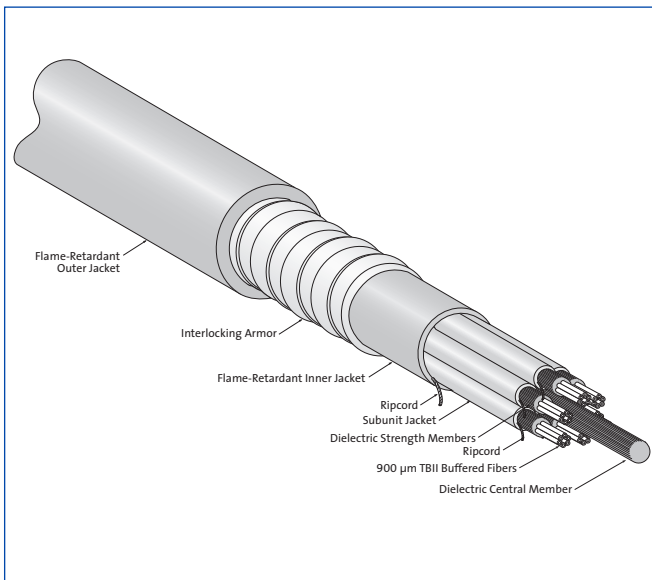
features and benefits |

Aluminum interlocking armor	Seven times crush protection compared to unarmored
900 µm TBII[®] Buffered Fibers	Easy, consistent stripping
Six or 12-fiber jacketed subunits	Quick and easy identification
Flame-retardant jacket	Rugged and durable

Corning Cable Systems MIC[®] Unitized Interlocking Armored Riser Cables are standard MIC Unitized Cables designed for use in riser and general purpose environments for intrabuilding backbone and horizontal installations. These multi-fiber cables use individually jacketed 900 µm TBII Buffered Fibers enabling easy, consistent stripping and facilitating termination.

The fibers are grouped into six or 12-fiber jacketed subunits for quick and easy identification. These subunits surround a dielectric central member and are protected by a flexible, spirally wrapped, aluminum interlocking armor that offers easy, one-step installation and over seven times the crush protection of unarmored cables. With a flame-retardant outer jacket, this cable is particularly useful for heavy traffic or more challenging mechanical exposure conditions and applications requiring extra rugged cables for routing inside buildings, through riser shafts, to telecommunication rooms and to workstations.

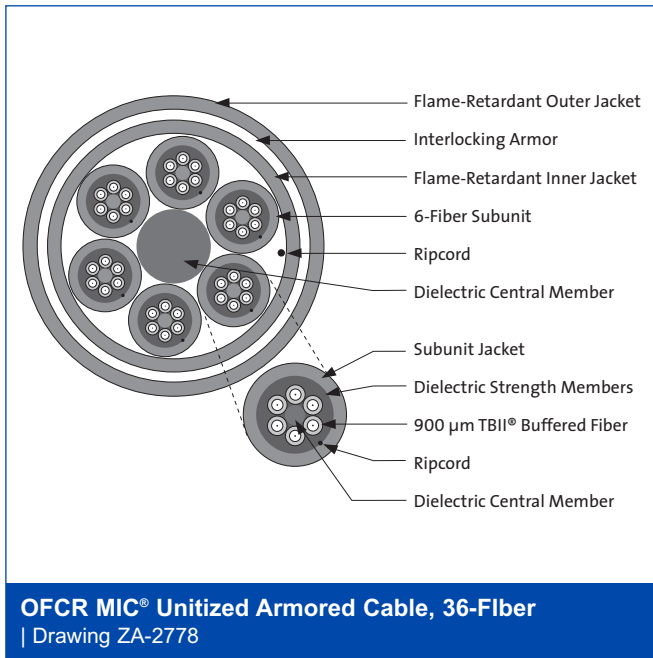
Offered in 50 µm, 62.5 µm, single-mode and hybrid versions, these cables meet the application requirements of the National Electrical Code[®] (NEC[®]) and are OFCR and FT-4 listed and are available with Gigabit Ethernet and 10 Gigabit Ethernet performance.



OFCR MIC Unitized Interlocking Armored Cable, 36-Fiber | Drawing ZA-2079

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specifications |

Maximum Tensile Loads Short-Term: 1320 N (300 lbf)
 Long-Term: 400 N (90 lbf)

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[®]) OFCR, CSA FT-4, ICEA S-83-596

Flame Resistance UL-1666 (for riser and general building applications)

Coming 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	Inner Cable O.D. mm (in)	Armored Cable O.D. mm (in)	Nominal Cable Weight kg/km (lb/1000 ft)	Minimum Bend Radius Loaded cm (in)	Minimum Bend Radius Installed cm (in)
36	14.8 (0.58)	23.6 (0.93)	430 (289)	35.4 (14.0)	23.6 (9.3)
48	17.8 (0.69)	25.9 (1.02)	537 (361)	38.9 (15.3)	25.9 (10.2)
60	17.9 (0.70)	25.9 (1.02)	506 (340)	38.9 (15.3)	25.9 (10.2)
72	18.6 (0.73)	27.4 (1.08)	564 (379)	41.1 (16.2)	27.4 (10.8)
96	22.2 (0.86)	31.2 (1.23)	732 (491)	46.8 (18.4)	31.2 (12.2)
144	23.7 (0.92)	32.5 (1.28)	756 (508)	48.8 (19.2)	32.5 (12.8)

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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	3.0/1.0	3.0/1.0	3.0/1.0	3.0/1.0	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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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"/>	-	A	1
1	2	3	4	5	6	7	8	9	10	11	12	13	14	

|1-3

Select fiber count.

Standard offerings:

036	072
048	096
060	144

|4

Select fiber code
(see Transmission
Performance table).

|5 / 12

Defines cable type.

8 / - = MIC[®]/MIC Unitized
Cable family

|6

Defines outer jacket.

1 = Riser

|7-8

Select identification
color scheme.

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

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

|9

Defines tensile strength
(see Specifications).

|10-11

Select performance
option code (see
Transmission
Performance table).

|13-14

Defines special
manufacturing code.

A1 = Aluminum interlocking
armor with riser-rated
jacket

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LAN-282-EN / October 2009