

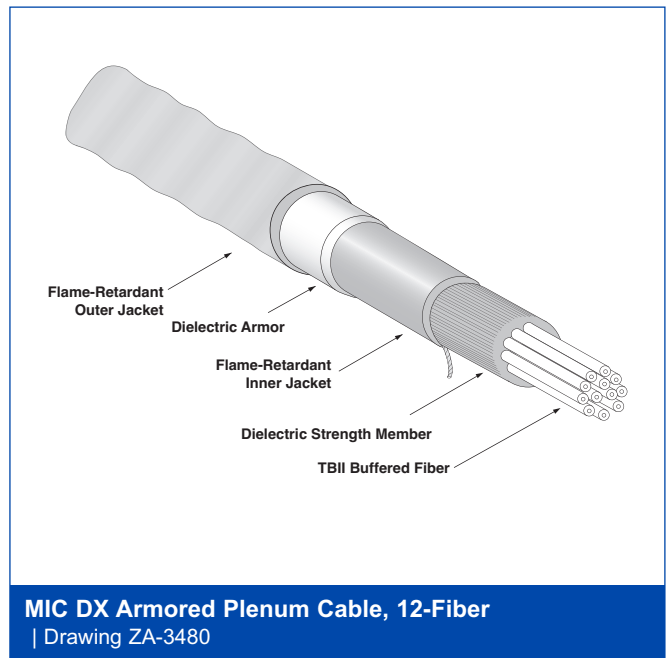
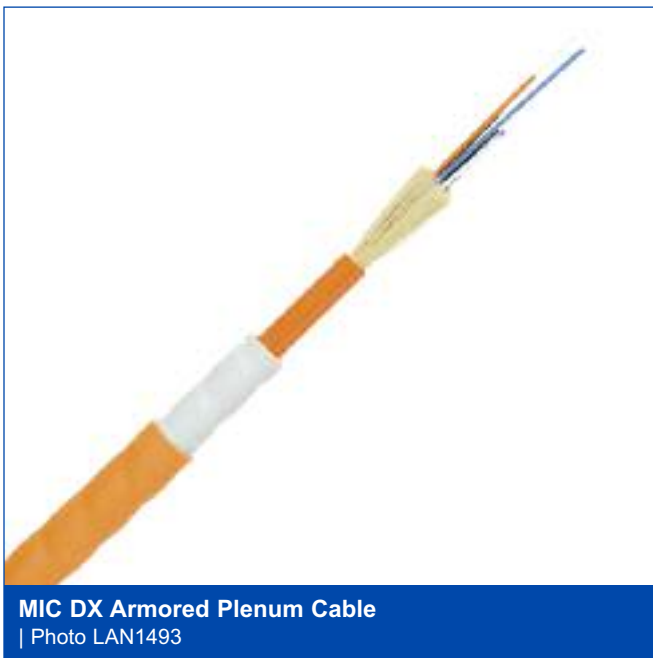
MIC® DX Armored Plenum Cables, 6-24 Fibers

A LANscape®
Solutions Product

features and benefits |

Dielectric armor	Four times crush protection compared to unarmored
TBII® Buffered Fibers	Easy, consistent stripping
Flame-retardant jacket	Rugged and durable
Easy armor removal	Increased safety and speed at installation

Corning Cable Systems MIC® DX Armored Plenum Cables are standard OFNP MIC Plenum subunits placed inside a dielectric armor for ruggedness and superior crush resistance without the conductive properties of traditional armor. These cables are designed for use in plenum, riser and general purpose environments for intrabuilding backbone and horizontal installations. Individually jacketed TBII® Buffered Fibers enable easy, consistent stripping and facilitate termination. The fibers are stranded around a dielectric central member that is protected by a flexible, all-dielectric armor offering easy, one-step installation and over four times the crush protection compared to 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. 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 OFNP and FT-6 listed. These cables also meet ICEA S-83-596 test criteria and are available with Gigabit Ethernet and 10 Gigabit Ethernet performance.



MIC[®] DX Armored Plenum Cables, 6-24 Fibers

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specifications |

Temperatures	Storage:	-40° to +70°C (-40° to +158°F)
	Installation:	0° to +60°C (+32° to +140°F)
	Operation:	0° to +70°C (+32° to +158°F)

Approvals and Listings National Electrical Code[®] (NEC[®]) OFNP, CSA FT-6, ICEA S-83-596

Flame Resistance NFPA 262 (for plenum, riser and general building applications)

Fiber Count	Inner Cable O.D. mm (in)	Armored Cable O.D. mm (in)	Nominal Cable Weight kg/km (lb/1000 ft)	Maximum Tensile Loads		Minimum Bend Radius	
				Short-Term N (lbf)	Long-Term N (lbf)	Loaded cm (in)	Installed cm (in)
6	4.4 (0.17)	9.1 (0.36)	84.0 (55.8)	1333 (300)	444 (100)	13.7 (5.4)	9.1 (3.6)
12	5.6 (0.22)	10.3 (0.41)	103.0 (68.4)	1778 (400)	593 (133)	15.5 (6.1)	10.3 (4.1)
24	5.6 (0.22)	10.3 (0.41)	120.3 (79.9)	2600 (585)	867 (195)	15.5 (6.1)	10.3 (4.1)

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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	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 Gigabit Ethernet Distance (m)	300/550	750/600	1000/600	1000/600	1000/600	5000 / - / -	5000 / - / -
Serial 10 Gigabit Ethernet 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.

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

|1-3

Select fiber count.

006
012
024

|5 / 12

Defines cable type.

8 / - = Standard for
MIC® Cable

|8

Select length markings.

1 = Markings in feet
(fiber count in < 10)
3 = Markings in feet
(fiber count > 10)

|13-14

Defines special
manufacturing code.

D3 = All-dielectric armor with
plenum-rated jacket

|4

Select fiber code
(see Transmission
Performance table).

|6

Defines outer jacket.

8 = Plenum

|9

Defines tensile strength
(see Specifications).

|7

Defines fiber placement.

3 = Standard

|10-11

Select performance
option code (see
Transmission
Performance table).

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