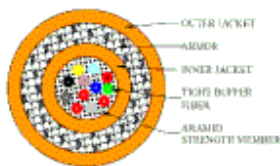


M9A241 Fiber - Tight Buffer Aluminum Interlock Armor Cables - Plenum (OFCP)



For more Information
please call

1-800-Belden1

**Description:**

FiberExpress Interlock Armor Optical Fiber cables have a rugged construction that affords superior protection in adverse environments yet can also be installed in general purpose, riser and plenum environments.

Physical Characteristics (Overall)

Fiber Type:	50/125/900 Micron
Number of Fibers:	6
Core Diameter:	50
Clad Diameter:	125
Primary Coating Material:	Acrylate
Primary Coating Diameter:	245
Secondary Coating Material:	Plenum Grade PVC - Polyvinyl Chloride
Secondary Coating Diameter:	900

Fiber Color Code Chart:

Color
Blue
Orange
Green
Brown
Slate
White
Red
Black
Yellow
Violet
Rose
Aqua

Inner Jacket

Inner Jacket Nominal Wall Thickness: 0.025

Inner Jacket Color Code Chart:

Number	Color
1	Orange

Outer Jacket**Outer Jacket Material:**

Outer Jacket Material
Plenum Grade PVC - Polyvinyl Chloride

Outer Jacket Nominal Wall Thickness: 0.028

Outer Jacket Diameter:

Nom. Dia. (in.)
0.506

M9A241 Fiber - Tight Buffer Aluminum Interlock Armor Cables - Plenum (OFCP)

Outer Jacket Color:	Orange
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Outer Jacket over Armor (y/n):	Y
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Outer Jacket over Armor

Outer Jacket Wall Thickness Over Armor:	0.028
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Diameter over Jacket and Armor:	0.506
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Strength Member

Strength Member Material:	Aramid Yarn
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Armor

Armor Type:	Interlocking Aluminum
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Armor Material:	Aluminum
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Armor Thickness:	.1125
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Diameter over Armor:	0.450
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Overall Cabling

Overall Nominal Diameter:	0.506 in.
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Mechanical Characteristics (Overall)

Storage Temperature Range:	-40°C To +80°C
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Operating Temperature Range:	-20°C To +70°C
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Min. Bend Radius (Install)/Minor Axis:	10.120 in.
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Min. Bend Radius for Long Term Application:	7.590 in.
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Crush Resistance:	2000 N/cm
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Impact Resistance:	2000 Impacts w/ 1.6 N-m
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Cyclic Flexing:	2000 Cycles min.
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Max. Load for Installation:	300 lbs.
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Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	OFCP
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CEC/C(UL) Specification:	OFC
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IEEE Specification:	802.3z
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EU Directive 2000/53/EC (ELV):	Yes
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EU Directive 2002/95/EC (RoHS):	Yes
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EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2006
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EU Directive 2002/96/EC (WEEE):	Yes
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EU Directive 2003/11/EC (BFR):	Yes
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CA Prop 65 (CJ for Wire & Cable):	Yes
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MII Order #39 (China RoHS):	Yes
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Telecommunications Standards:	568B
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Flame Test

C(UL) Flame Test:	FT6
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Suitability

Suitability - Indoor:	Yes
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Plenum/Non-Plenum

Plenum (Y/N):	Yes
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M9A241 Fiber - Tight Buffer Aluminum Interlock Armor Cables - Penum (OFCP)
Optical Characteristics (Overall)

Maximum Attenuation @ 850nm:	3.5 dB/km
Maximum Attenuation @ 1300nm:	1.25 dB/km
Minimum Bandwidth @ 850nm:	500 MHz*km
Minimum Bandwidth @ 1300nm:	500 MHz*km
Maximum Gigabit Ethernet Length @ 850nm:	600
Maximum Gigabit Ethernet Length @ 1300nm:	600

Notes (Overall)

Notes: This cable is designed for use in indoor applications. It can also be used in interbuilding applications as outlined in technical advisory # 21.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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Revision Number: 0 Revision Date: 05-14-2007

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