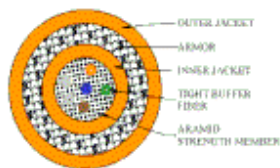


## M9A240 Fiber - Tight Buffer Aluminum Interlock Armor Cables - Plenum (OFCP)



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

**Inner Jacket**

Inner Jacket Nominal Wall Thickness:	0.025
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**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
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**Outer Jacket Diameter:**

Nom. Dia. (in.)
0.471

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:	0.471
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## M9A240 Fiber - Tight Buffer Aluminum Interlock Armor Cables - Plenum (OFCP)

### Strength Member

Strength Member Material: Aramid Yarn

### Armor

Armor Type: Interlocking Aluminum

Armor Material: Aluminum

Armor Thickness: .1125

Diameter over Armor: 0.415

### Overall Cabling

Overall Nominal Diameter: 0.471 in.

### Mechanical Characteristics (Overall)

Storage Temperature Range: -40°C To +80°C

Operating Temperature Range: -20°C To +70°C

Min. Bend Radius (Install)/Minor Axis: 9.420 in.

Min. Bend Radius for Long Term Application: 7.065 in.

Crush Resistance: 2000 N/cm

Impact Resistance: 2000 Impacts w/ 1.6 N-m

Cyclic Flexing: 2000 Cycles min.

Max. Load for Installation: 270 lbs.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: OFCP

CEC/C(UL) Specification: OFC

IEEE Specification: 802.3z

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 01/01/2006

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire & Cable): Yes

MII Order #39 (China RoHS): Yes

Telecommunications Standards: 568B

#### Flame Test

C(UL) Flame Test: FT6

#### Suitability

Suitability - Indoor: Yes

Suitability - Outdoor: No

#### Plenum/Non-Plenum

Plenum (Y/N): Yes

### Optical Characteristics (Overall)

Maximum Attenuation @ 850nm: 3.5 dB/km

Maximum Attenuation @ 1300nm: 1.25 dB/km

Minimum Bandwidth @ 850nm: 500 MHz\*km

**M9A240 Fiber - Tight Buffer Aluminum Interlock Armor Cables - Plenum (OFCP)**

Minimum Bandwidth @ 1300nm:	500 MHz*km
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Maximum Gigabit Ethernet Length @ 850nm:	600
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Maximum Gigabit Ethernet Length @ 1300nm:	600
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**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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