

M9W245 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:	Single Mode/125/900 Micron
Number of Fibers:	48
Core Diameter:	8.3
Clad Diameter:	125
Primary Coating Material:	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

Breakout Element Diameter:	0.231
Breakout Element Material:	Plenum Grade PVC - Polyvinyl Chloride

Buffer Tube Color Code Chart:

Number	Color
1	Blue
2	Orange
3	Green
4	Brown

Core-clad Offset:	Acrylate
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Inner Jacket

Inner Jacket Nominal Wall Thickness:	0.030
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Inner Jacket Color Code Chart:

Number	Color
1	Yellow

Outer Jacket**Outer Jacket Material:**

Outer Jacket Material
PVDF - Fluorocopolymer

Outer Jacket Nominal Wall Thickness:	0.028
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Outer Jacket Diameter:

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Nom. Dia. (in.)

0.881

Outer Jacket Color:	Yellow
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Strength Member

Strength Member Material:	Aramid Yarn, Fiberglass Epoxy Rod
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Armor

Armor Type:	Interlocking
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Armor Material:	Aluminum
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Overall Cabling

Overall Nominal Diameter:	0.881 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:	17.620 in.
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Min. Bend Radius for Long Term Application:	13.215 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:	1245 lbs.
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Max. Load for Long Term Application:	311 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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Telecommunications Standards:	568B
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Other Specification:	ITU G.652.d
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Flame Test

C(UL) Flame Test:	FT6
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Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Optical Characteristics (Overall)

Maximum Attenuation @ 1310nm:	0.80 dB/km
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Maximum Attenuation @ 1550nm:	0.50 dB/km
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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 as technical advisory #21.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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