

M9W242 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:	24
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
Blue/Black
Orange/Black
Green/Black
Brown/Black
Slate/Black
White/Black
Red/Black
Black/White
Yellow
Black
Violet/Black
Rose/Black
Aqua/Black

Core-clad Offset: Acrylate

Inner Jacket

Inner Jacket Nominal Wall Thickness: 0.028

Inner Jacket Color Code Chart:

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Number	Color
1	Yellow

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.)
0.631

Outer Jacket Color: Yellow

Strength Member

Strength Member Material: Aramid Yarn, Fiberglass Epoxy Rod

Armor

Armor Type: Interlocking

Armor Material: Aluminum

Overall Cabling

Overall Nominal Diameter: 0.631 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: 12.620 in.

Min. Bend Radius for Long Term Application: 9.465 in.

Crush Resistance: 2000 N/cm

Impact Resistance: 2000 Impacts w/ 1.6 N-m

Cyclic Flexing: 2000 Cycles min.

Max. Load for Installation: 390 lbs.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: OFCP

CEC/C(UL) Specification: OFC

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

Other Specification: ITU G.652.d

Flame Test

C(UL) Flame Test: FT6

Plenum/Non-Plenum

Plenum (Y/N): Yes

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Optical Characteristics (Overall)

Maximum Attenuation @ 1310nm:	0.80 dB/km
Maximum Attenuation @ 1550nm:	0.50 dB/km

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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