

**B9W242 Fiber - Interlocked Armor Distribution Cable - Plenum**

For more Information  
please call

1-800-Belden1

**General Description:**

FiberExpress Distribution Aluminum Interlocked Armor Cable, 24-Fiber, OS2 OFCP, Tight Buffer, Indoor Rated with Yellow Jacket, Rugged construction that affords superior protection in adverse environments.

**Physical Characteristics (Overall)**

Fiber Type:	SM, (OS2)
Number of Fibers:	24
Mode Field Diameter @ 1310nm:	9.2
Clad Diameter:	125
Primary Coating Diameter:	250
Secondary Coating Diameter:	900
Buffer Tube Material:	Thermoplastic

**Outer Jacket**

Outer Jacket Material:

**Outer Jacket Material**  
PVC - Polyvinyl Chloride

Outer Jacket Color:	Yellow
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**Strength Member**

Strength Member Material:	Aramid Yarn
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**Armor**

Armor Type:	Interlocked
Armor Material:	Aluminum

**Overall Cable**

Overall Nominal Diameter:	0.631 in.
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**Mechanical Characteristics (Overall)**

Storage Temperature Range:	-40°C To +80°C
Installation Temperature Range:	0°C To +60°C
Operating Temperature Range:	-20°C To +70°C
Bulk Cable Weight:	151 lbs/1000 ft.
Min. Bend Radius/Minor Axis:	12.600 in.
Min. Bend Radius for Long Term Application:	9.500 in.
Max. Load for Installation:	300 lbs.
Max. Load for Long Term Application:	90 lbs.

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	OFCP
CEC/C(UL) Specification:	OFCP
EU Directive 2011/65/EU (RoHS II):	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	08/01/2008
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes

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

MII Order #39 (China RoHS): Yes

**Flame Test**

UL Flame Test: UL1666 Riser

CSA Flame Test: FT6

**Suitability**

Suitability - Indoor: Yes

Suitability - Outdoor: No

Suitability - Aerial: No

Suitability - Burial: No

Sunlight Resistance: No

**Plenum/Non-Plenum**

Plenum (Y/N): Yes

**Optical Characteristics (Overall)**

Maximum Attenuation @ 1310nm: .8 dB/km

Maximum Attenuation @ 1550nm: .5 dB/km

Maximum Gigabit Ethernet Length @ 1300nm: 5000 meters

**Fiber Coding MLT EMEA:**

Fiber/Tube No.	Color
1	Blue
2	Orange
3	Green
4	Brown
5	Slate
6	White
7	Red
8	Black
9	Yellow
10	Violet
11	Rose
12	Aqua

**Related Documents:**
[DOUBLE JACKETED INTERLOCKED ARMOR DISTRIBUTION CABLE.pdf](#) - Document PG 46 - DOUBLE JACKETED INTERLOCKED ARMOR DISTRIBUTION CABLE rev 8.pdf
**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
B9W242	1 FT	0.184 LB	YELLOW		D-AIA 24F OS2 OFCP TB

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