

**B9C242 Fiber - Interlocked Armor Distribution Cable - Plenum**

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 Micron (OM3)

**Number of Fibers:** 24

**Outer Jacket**

**Outer Jacket Material:**

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PVC - Polyvinyl Chloride

**Strength Member**

**Strength Member Material:** Aramid Yarn, Fiberglass Epoxy Rod

**Armor**

**Armor Type:** Interlocked

**Armor Material:** Aluminum

**Overall Cable**

**Overall Nominal Diameter:** 0.631 in.

**Mechanical Characteristics (Overall)**

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

**Installation Temperature Range:** -20°C To +70°C

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

**Bulk Cable Weight:** 152 lbs/1000 ft.

**Min. Bend Radius (Install)/Minor Axis:** 13 in.

**Min. Bend Radius for Long Term Application:** 9.800 in.

**Max. Load for Installation:** 641 lbs.

**Max. Load for Long Term Application:** 321 lbs.

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

**NEC/(UL) Specification:** OFCP

**CEC/C(UL) Specification:** OFCP

**EU CE Mark:** 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

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

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

MII Order #39 (China RoHS): Yes

**Flame Test**

UL Flame Test: UL910 Steiner Tunnel

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

Non-Plenum Number: B9C232

**Optical Characteristics (Overall)**

Maximum Attenuation @ 850nm: 3.0 dB/km

Maximum Attenuation @ 1300nm: 1.2 dB/km

Minimum Bandwidth @ 850nm: 1500 MHz\*km

Minimum Bandwidth @ 1300nm: 500 MHz\*km

Maximum Gigabit Ethernet Length @ 850nm: 1000

Maximum Gigabit Ethernet Length @ 1300nm: 550

**Fiber Coding MLT EMEA:**

Fiber/Tube No.	Color
1	Blue
2	Orange
3	Green
4	Brown
5	Gray
6	White
7	Red
8	Black
9	Yellow
10	Purple
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
B9C242	1 FT	0.188 LB	AQUA		24G5 DIST IARM PLN AQU

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