

B9C242 Fiber - Interlocked Armor Distribution Cable - Plenum

For more Information
please call

1-800-Belden1

**General Description:**

FiberExpress Distribution Aluminum Interlocked Armor Cable, 24-Fiber, OM3 OFCP, Tight Buffer, Indoor Rated with Aqua Jacket, Rugged construction that affords superior protection in adverse environments.

Physical Characteristics (Overall)

Fiber Type:	50 Micron (OM3)
Number of Fibers:	24
Core Diameter:	50
Clad Diameter:	125
Primary Coating Diameter:	250
Secondary Coating Material:	PVC - Polyvinyl Chloride
Secondary Coating Diameter:	900

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Outer Jacket Color: AQUA

Strength Member

Strength Member Material: Aramid Yarn

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:	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 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

B9C242 Fiber - Interlocked Armor Distribution Cable - Plenum

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

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

MII Order #39 (China RoHS): Yes

Flame Test

UL Flame Test: UL 1666 Vertical Shaft

C(UL) Flame Test: FT4

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 meters

Maximum Gigabit Ethernet Length @ 1300nm: 550 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
B9C242	1 FT	0.185 LB	AQUA		D-AIA 24F OM3 OFCP TB

Revision Number: 3 Revision Date: 07-31-2013

© 2014 Belden, Inc.
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Belden Wire & Cable:](#)

[B9C242](#)