

Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

B9B242 Fiber - Interlocked Armor Distribution Cable - Plenum



For more Information
please call

1-800-Belden1



General Description:

FiberExpress Distribution Aluminum Interlocked Armor Cable, 24-Fiber, OM1 OFCP, Tight Buffer, Indoor Rated with Orange Jacket, Rugged construction that affords superior protection in adverse environments.

Physical Characteristics (Overall)

Product Family - Plenum:

Fiber Count	Type	OM1 MM 62.5/125 1 Gb	OM2 MM 50/125 1 Gb	OM3 MM 50/125 10 Gb 300m	OM4 MM 50/125 10 Gb 500m	OS2 - SM
6	Indoor	B9B240	B9A240	B9C240	B9E240	.. B9W240
6	Indoor/Outdoor	B9B240T	B9A240T	B9C240T	B9E240T	.. B9W240T
12	Indoor	B9B241	B9A241	B9C241	B9E241	.. B9W241
12	Indoor/Outdoor	B9B241T	B9A241T	B9C241T	B9E241T	.. B9W241T
24	Indoor	B9B243	B9A243	B9C243	B9E243	.. B9W243
24*	Indoor	B9B242	B9A242	B9C242	B9E242	.. B9W242
24*	Indoor/Outdoor	B9B242T	B9A242T	B9C242T	B9E242T	.. B9W242T
36	Indoor	B9B244	B9A244	B9C244	B9E244	.. B9W244
48	Indoor	B9B245	B9A245	B9C245	B9E245	.. B9W245
72	Indoor	B9B246	B9A246	B9C246	B9E246	.. B9W246
72	Indoor/Outdoor	B9B246T	B9A246T	B9C246T	B9E246T	.. B9W246T
96	Indoor	B9B247	B9A247	B9C247	B9E247	.. B9W247
144	Indoor	B9B248	B9A248	B9C248	B9E248	.. B9W248
*						

Product Family - Riser:

Fiber Count	Type	OM1 MM 62.5/125 1 Gb	OM2 MM 50/125 1 Gb	OM3 MM 50/125 10 Gb 300m	OM4 MM 50/125 10 Gb 500m	OS2 - SM
6	Indoor	B9B230	B9A230	B9C230	B9E230	.. B9W230
6	Indoor/Outdoor	B9B230T	B9A230T	B9C230T	B9E230T	.. B9W230T
12	Indoor	B9B231	B9A231	B9C231	B9E231	.. B9W231
12	Indoor/Outdoor	B9B231T	B9A231T	B9C231T	B9E231T	.. B9W231T
24	Indoor	B9B233	B9A233	B9C233	B9E233	.. B9W233
24*	Indoor	B9B232	B9A232	B9C232	B9E232	.. B9W232
24	Indoor/Outdoor	B9B232T	B9A232T	B9C232T	B9E232T	.. B9W232T
36	Indoor	B9B234	B9A234	B9C234	B9E234	.. B9W234
48	Indoor	B9B235	B9A235	B9C235	B9E235	.. B9W235
72	Indoor	B9B236	B9A236	B9C236	B9E236	.. B9W236
96	Indoor	B9B237	B9A237	B9C237	B9E237	.. B9W237
144	Indoor	B9B238	B9A238	B9C238	B9E238	.. B9W238
*						

Fiber Type:

62.5 Micron (OM1)

Number of Fibers:

24

Buffer Tube Material:

Thermoplastic

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Strength Member

Strength Member Material:

Aramid Yarn

Armor

Armor Type:

Interlocked

Armor Material:

Aluminum

Overall Cable

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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 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

CA Prop 65 (CJ for Wire & 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 @ 850nm: 3.5 dB/km

Maximum Attenuation @ 1300nm: 1.2 dB/km

Minimum Bandwidth @ 850nm: 200 MHz*km

Minimum Bandwidth @ 1300nm: 600 MHz*km

Maximum Gigabit Ethernet Length @ 850nm: 300 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

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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
B9B242	1 FT	0.185 LB	ORANGE		D-AIA 24F OM1 OFCP TB

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