BELDEN
SENDING ALL THE RIGHT SIGNALS

B9C241 Fiber - Interlocked Armor Distribution Cable - Plenum

For more Information
please call

1-800-Belden1

RoHS COMPLIANT
ENVIRONMENTALLY FRIENDLY

General Description:

FiberExpress Distribution Aluminum Interlocked Armor Cable, 12-Fiber, OM3 OFCP, Tight Buffer, Indoor Rated with Aqua 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:	50 Micron (OM3)
Number of Fibers:	12
Core Diameter:	50
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:	AQUA

Strength Member

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Strength Member Material:	Aramid Yarn

Armor

Armor Type:	Interlocked
Armor Material:	Aluminum

Overall Cable

Overall Nominal Diameter:	0.506 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:	103 lbs/1000 ft.
Min. Bend Radius/Minor Axis:	10.100 in.
Min. Bend Radius for Long Term Application:	7.600 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:	UL910 Plenum
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:	3.0 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

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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
B9C241	1 FT	0.132 LB	AQUA		D-AIA 12F OM3 OFCP TB

Revision Number: 4   Revision Date: 09-10-2014

Mouser Electronics

Authorized Distributor

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