

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 | | REPLACED BY F11D024A9 |

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- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



Тел: +7 (812) 336 43 04 (многоканальный)

Email: org@lifeelectronics.ru