

M9B240 Fiber - Tight Buffer Aluminum Interlock Armor Cables - Plenum (OFCP)



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: | 62.5/125/900 Micron |
| Number of Fibers: | 6 |
| Core Diameter: | 62.5 |
| Clad Diameter: | 125 |
| Primary Coating Material: | Acrylate |
| Primary Coating Diameter: | 245 |
| Secondary Coating Material: | PVC - Polyvinyl Chloride |
| Secondary Coating Diameter: | 900 |

Fiber Color Code Chart:

| Color |
|--------|
| Blue |
| Orange |
| Green |
| Brown |
| Slate |
| White |

Inner Jacket

| | |
|---------------------------------------------|-------|
| Inner Jacket Nominal Wall Thickness: | 0.025 |
|---------------------------------------------|-------|

Inner Jacket Color Code Chart:

| Number | Color |
|--------|--------|
| 1 | Orange |

Outer Jacket**Outer Jacket Material:**

| Outer Jacket Material |
|---------------------------------------|
| Plenum Grade PVC - Polyvinyl Chloride |

| | |
|---------------------------------------------|-------|
| Outer Jacket Nominal Wall Thickness: | 0.028 |
|---------------------------------------------|-------|

Outer Jacket Diameter:

| Nom. Dia. (in.) |
|-----------------|
| 0.471 |

| | |
|----------------------------|--------|
| Outer Jacket Color: | Orange |
|----------------------------|--------|

Strength Member

| | |
|----------------------------------|-------------|
| Strength Member Material: | Aramid Yarn |
|----------------------------------|-------------|

Armor

| | |
|-----------------------------|-----------------------|
| Armor Type: | Interlocking Aluminum |
| Armor Material: | Aluminum |
| Diameter over Armor: | 0.415 |

Overall Cabling

| | |
|----------------------------------|-----------|
| Overall Nominal Diameter: | 0.471 in. |
|----------------------------------|-----------|

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Mechanical Characteristics (Overall)

| | |
|---------------------------------------------|-------------------------|
| Storage Temperature Range: | -40°C To +80°C |
| Operating Temperature Range: | -20°C To +70°C |
| Min. Bend Radius (Install)/Minor Axis: | 9.420 in. |
| Min. Bend Radius for Long Term Application: | 7.065 in. |
| Crush Resistance: | 2000 N/cm |
| Impact Resistance: | 2000 Impacts w/ 1.6 N-m |
| Cyclic Flexing: | 2000 Cycles min. |
| Max. Load for Installation: | 270 lbs. |

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| | |
|-------------------------------|--------|
| NEC/(UL) Specification: | OFCP |
| CEC/C(UL) Specification: | OFC |
| IEEE Specification: | 802.3z |
| Telecommunications Standards: | 568B |

Flame Test

| | |
|-------------------|-----|
| C(UL) Flame Test: | FT6 |
|-------------------|-----|

Plenum/Non-Plenum

| | |
|---------------|-----|
| Plenum (Y/N): | Yes |
|---------------|-----|

Optical Characteristics (Overall)

| | |
|-------------------------------------------|------------|
| Maximum Attenuation @ 850nm: | 3.50 dB/km |
| Maximum Attenuation @ 1300nm: | 1.25 dB/km |
| Minimum Bandwidth @ 850nm: | 200 MHz*km |
| Minimum Bandwidth @ 1300nm: | 500 MHz*km |
| Maximum Gigabit Ethernet Length @ 850nm: | 300 |
| Maximum Gigabit Ethernet Length @ 1300nm: | 550 |

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|--------|-------|-------------|-------|-------|-----------|
|--------|-------|-------------|-------|-------|-----------|

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