

## M9B237 Fiber - Tight Buffer Aluminum Interlock Armor Cables - Riser (OFCR)



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)**

|                                    |                          |
|------------------------------------|--------------------------|
| <b>Fiber Type:</b>                 | 62.5/125/900 Micron      |
| <b>Number of Fibers:</b>           | 96                       |
| <b>Core Diameter:</b>              | 62.5                     |
| <b>Clad Diameter:</b>              | 125                      |
| <b>Primary Coating Material:</b>   | Acrylate                 |
| <b>Primary Coating Diameter:</b>   | 245                      |
| <b>Secondary Coating Material:</b> | PVC - Polyvinyl Chloride |
| <b>Secondary Coating Diameter:</b> | 900                      |

**Fiber Color Code Chart:**

| Color  |
|--------|
| Blue   |
| Orange |
| Green  |
| Brown  |
| Slate  |
| White  |
| Red    |
| Black  |
| Yellow |
| Violet |
| Rose   |
| Aqua   |

|                                   |                          |
|-----------------------------------|--------------------------|
| <b>Breakout Element Diameter:</b> | 0.215                    |
| <b>Breakout Element Material:</b> | PVC - Polyvinyl Chloride |

**Buffer Tube Color Code Chart:**

| Number | Color  |
|--------|--------|
| 1      | Blue   |
| 2      | Orange |
| 3      | Green  |
| 4      | Brown  |
| 5      | Slate  |
| 6      | White  |
| 7      | Red    |
| 8      | Black  |

**Inner Jacket**

|   |       |
|---|-------|
| <b>Inner Jacket Nominal Wall Thickness:</b> | 0.057 |
|---|-------|

**Inner Jacket Color Code Chart:**

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

**Outer Jacket**

**Outer Jacket Material:**

**M9B237 Fiber - Tight Buffer Aluminum Interlock Armor Cables - Riser (OFCR)****Outer Jacket Material**

PVC - Polyvinyl Chloride

Outer Jacket Nominal Wall Thickness: 0.060

**Outer Jacket Diameter:****Nom. Dia. (in.)**

1.245

Outer Jacket Color: Orange

Outer Jacket Separator Material: Overall Polyester Tape, 25% overlap

**Strength Member**

Strength Member Material: Aramid Yarn, Fiberglass Epoxy Rod

**Armor**

Armor Type: Interlocking Aluminum

Armor Material: Aluminum

**Overall Cabling**

Overall Nominal Diameter: 1.245 in.

**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: 24.900 in.

Min. Bend Radius for Long Term Application: 18.675 in.

Crush Resistance: 2000 N/cm

Impact Resistance: 2000 Impacts w/ 1.6 N-m

Cyclic Flexing: 2000 Cycles min.

Max. Load for Installation: 1983 lbs.

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

NEC/(UL) Specification: OFCR

CEC/C(UL) Specification: OFC

IEEE Specification: 802.3z

Telecommunications Standards: 568B

**Flame Test**

C(UL) Flame Test: FT4

**Plenum/Non-Plenum**

Plenum (Y/N): No

**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:**

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

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