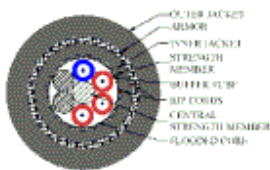


## M9A359 Fiber - Loose Tube Armored - Flooded Core/Single Armor/Double Jacket



For more Information  
please call

1-800-Belden1

**Description:**

FiberExpress Loose Tube (Campus) Armor Optical Fiber Cable Series is made up of rugged fiber cables for applications in hostile environments. This series of cables has corrugated steel armor which provides added protection for direct burial applications

**Physical Characteristics (Overall)**

|                                    |                           |
|------------------------------------|---------------------------|
| <b>Fiber Type:</b>                 | 50/125/250 Micron         |
| <b>Number of Fibers:</b>           | 4                         |
| <b>Core Diameter:</b>              | 50                        |
| <b>Clad Diameter:</b>              | 125                       |
| <b>Primary Coating Material:</b>   | Acrylate                  |
| <b>Primary Coating Diameter:</b>   | 245                       |
| <b>Secondary Coating Material:</b> | Engineering Thermoplastic |
| <b>Secondary Coating Diameter:</b> | 250                       |

**Fiber Color Code Chart:**

| Color |
|-------|
| Blue  |

|                                      |                                  |
|--------------------------------------|----------------------------------|
| <b>Buffer Tube Diameter:</b>         | 1.9                              |
| <b>Buffer Tube Material:</b>         | PBT - Polybutylene Terephthalate |
| <b>Buffer Tube Filling Material:</b> | Synthetic Thixotropic Gel        |

**Buffer Tube Color Code Chart:**

| Number | Color  |
|--------|--------|
| 1      | Blue   |
| 2      | Orange |
| 3      | Green  |
| 4      | Brown  |

**Inner Jacket**

|                                             |      |
|---------------------------------------------|------|
| <b>Inner Jacket Nominal Wall Thickness:</b> | 0.03 |
| <b>Inner Jacket Ripcord:</b>                | Yes  |

**Inner Jacket Color Code Chart:**

| Number | Color |
|--------|-------|
| 1      | Black |

**Outer Jacket****Outer Jacket Material:**

| Outer Jacket Material |
|-----------------------|
| PE - Polyethylene     |

|                                             |       |
|---------------------------------------------|-------|
| <b>Outer Jacket Nominal Wall Thickness:</b> | 0.060 |
|---------------------------------------------|-------|

**Outer Jacket Diameter:**

| Nom. Dia. (in.) |
|-----------------|
| 0.530           |

|                                       |       |
|---------------------------------------|-------|
| <b>Outer Jacket Ripcord:</b>          | Yes   |
| <b>Outer Jacket Color:</b>            | Black |
| <b>Outer Jacket over Armor (y/n):</b> | Y     |

**M9A359 Fiber - Loose Tube Armored - Flooded Core/Single Armor/Double Jacket****Outer Jacket over Armor**

|                                         |      |
|-----------------------------------------|------|
| Outer Jacket Wall Thickness Over Armor: | 0.06 |
| Diameter over Jacket and Armor:         | 0.53 |

**Strength Member**

|                           |                                   |
|---------------------------|-----------------------------------|
| Strength Member Material: | Aramid Yarn, Fiberglass Epoxy Rod |
|---------------------------|-----------------------------------|

**Armor**

|                 |                       |
|-----------------|-----------------------|
| Armor Type:     | Corrugated Steel Tape |
| Armor Material: | Steel                 |

**Overall Cabling**

|                           |           |
|---------------------------|-----------|
| Overall Nominal Diameter: | 0.530 in. |
|---------------------------|-----------|

**Mechanical Characteristics (Overall)**

|                                             |                         |
|---------------------------------------------|-------------------------|
| Storage Temperature Range:                  | -50°C To +80°C          |
| Operating Temperature Range:                | -40°C To +70°C          |
| Min. Bend Radius (Install)/Minor Axis:      | 10.600 in.              |
| Min. Bend Radius for Long Term Application: | 7.950 in.               |
| Crush Resistance:                           | 2000 N/cm               |
| Impact Resistance:                          | 2000 Impacts w/ 1.6 N-m |
| Max. Load for Installation:                 | 600 lbs.                |

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

|                               |        |
|-------------------------------|--------|
| IEEE Specification:           | 802.3z |
| Telecommunications Standards: | 568B   |

**Suitability**

|                        |     |
|------------------------|-----|
| Suitability - Indoor:  | Yes |
| Suitability - Outdoor: | Yes |

**Plenum/Non-Plenum**

|               |    |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

**Optical Characteristics (Overall)**

|                                           |            |
|-------------------------------------------|------------|
| Maximum Attenuation @ 850nm:              | 3.00 dB/km |
| Maximum Attenuation @ 1300nm:             | 1.00 dB/km |
| Minimum Bandwidth @ 850nm:                | 500 MHz*km |
| Minimum Bandwidth @ 1300nm:               | 500 MHz*km |
| Maximum Gigabit Ethernet Length @ 850nm:  | 600        |
| Maximum Gigabit Ethernet Length @ 1300nm: | 600        |

**Notes (Overall)**

**Notes:** Cable is flooded for moisture protection.

**Put Ups and Colors:**

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

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