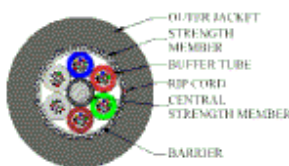


M9A815 Fiber - Loose Tube Indoor/Outdoor All Dielectric Dry Core-Riser OFNR



For more Information
please call

1-800-Belden1

**Description:**

FiberExpress Loose Tube Optical Fiber Cables are loose-tube buffered cables suited for outdoor applications such as lashed aerial or underground conduit.

Physical Characteristics (Overall)

Fiber Type: 50/125/250 Micron

Number of Fibers: 72

Core Diameter: 50

Clad Diameter: 125

Primary Coating Material: Acrylate

Primary Coating Diameter: 245

Secondary Coating Material: Engineering Thermoplastic

Secondary Coating Diameter: 250

Fiber Color Code Chart:

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

Buffer Tube Diameter: 2.8

Buffer Tube Material: Flame Retardant Thermoplastic

Buffer Tube Filling Material: Synthetic Thixotropic Gel

Buffer Tube Color Code Chart:

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

Outer Jacket

Outer Jacket Material:

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

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| | |
|--------------------------------------|--|
| Outer Jacket Nominal Wall Thickness: | 0.060 |
| Outer Jacket Diameter: | |
| Nom. Dia. (in.) | 0.480 |
| Outer Jacket Ripcord: | Yes |
| Outer Jacket Color: | Black |
| Outer Jacket Separator Material: | Overall Water Blocking Tape, 25% overlap |
| Strength Member | |
| Strength Member Material: | Aramid Yarn |
| Overall Cabling | |
| Overall Nominal Diameter: | 0.480 in. |

Mechanical Characteristics (Overall)

| | |
|---|-------------------------|
| Storage Temperature Range: | -40°C To +80°C |
| Operating Temperature Range: | -40°C To +70°C |
| Min. Bend Radius (Install)/Minor Axis: | 9.600 in. |
| Min. Bend Radius for Long Term Application: | 7.200 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**

| | |
|---------------------------------------|------------|
| NEC/(UL) Specification: | OFNR |
| CEC/C(UL) Specification: | OFN |
| IEEE Specification: | 802.3z |
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2002/95/EC (RoHS): | Yes |
| EU RoHS Compliance Date (mm/dd/yyyy): | 01/01/2006 |
| 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 |
| Telecommunications Standards: | 568B |

Flame Test

| | |
|-------------------|-----|
| C(UL) Flame Test: | FT4 |
|-------------------|-----|

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 |

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Maximum Gigabit Ethernet Length @ 1300nm: 600

Put Ups and Colors:

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

Revision Number: 0 Revision Date: 05-14-2007

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