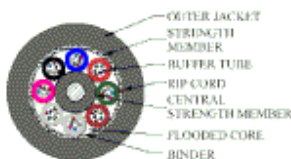


M9A518 Fiber - Loose Tube All Dielectric - Flooded Core/Single PE Jacket



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: | 48 |
| Core Diameter: | 50 |
| Clad Diameter: | 125 |
| Primary Coating Material: | Acrylate |
| Primary Coating Diameter: | 245 |
| Secondary Coating Diameter: | 250 |

Fiber Color Code Chart:

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

| | |
|--------------------------------------|----------------------------------|
| Buffer Tube Diameter: | 1.9 |
| Buffer Tube Material: | PBT - Polybutylene Terephthalate |
| 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 |
| 7 | Red |
| 8 | Black |

Outer Jacket**Outer Jacket Material:**

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

| | |
|---|------|
| Outer Jacket Nominal Wall Thickness: | 0.06 |
|---|------|

Outer Jacket Diameter:

| Nom. Dia. (in.) |
|-----------------|
| 0.415 |

| | |
|------------------------------|-------|
| Outer Jacket Ripcord: | Yes |
| Outer Jacket Color: | Black |

Strength Member

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

M9A518 Fiber - Loose Tube All Dielectric - Flooded Core/Single PE Jacket**Overall Cabling**

| | |
|---------------------------|-----------|
| Overall Nominal Diameter: | 0.415 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: | 8.300 in. |
| Min. Bend Radius for Long Term Application: | 6.225 in. |
| Crush Resistance: | 2000 N/cm |
| Impact Resistance: | 2000 Impacts w/ 1.6 N-m |
| Cyclic Flexing: | 2000 Cycles min. |
| Max. Load for Installation: | 600 lbs. |

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

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

Plenum/Non-Plenum

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

Optical Characteristics (Overall)

| | |
|---|------------|
| Maximum Attenuation @ 850nm: | 3.0 dB/km |
| Maximum Attenuation @ 1300nm: | 1.0 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 |
|--------|-------|-------------|-------|-------|-----------|
|--------|-------|-------------|-------|-------|-----------|

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

© 2010 Belden, Inc.
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability. Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.