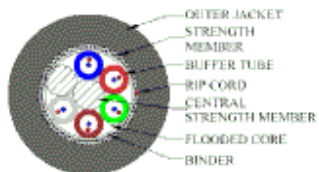


## M9A066 Fiber - Loose Tube All Dielectric - Flooded Core/Single PE Jacket



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:	10
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

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

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

Outer Jacket Material
PE - Polyethylene

Outer Jacket Nominal Wall Thickness:	0.060
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**Outer Jacket Diameter:**

Nom. Dia. (in.)
0.375

Outer Jacket Ripcord:	Yes
Outer Jacket Color:	Black

**Strength Member**

Strength Member Material:	Aramid Yarn, Fiberglass Epoxy Rod
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**Overall Cabling**

Overall Nominal Diameter:	0.375 in.
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**Mechanical Characteristics (Overall)**

Storage Temperature Range:	-50°C To +80°C
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**M9A066 Fiber - Loose Tube All Dielectric - Flooded Core/Single PE Jacket**

<b>Operating Temperature Range:</b>	-40°C To +70°C
<b>Min. Bend Radius (Install)/Minor Axis:</b>	7.500 in.
<b>Min. Bend Radius for Long Term Application:</b>	5.625 in.
<b>Crush Resistance:</b>	2000 N/cm
<b>Impact Resistance:</b>	2000 Impacts w/ 1.6 N-m
<b>Cyclic Flexing:</b>	2000 Cycles min.
<b>Max. Load for Installation:</b>	600 lbs.

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

<b>IEEE Specification:</b>	802.3z
<b>Telecommunications Standards:</b>	568B

**Plenum/Non-Plenum**

<b>Plenum (Y/N):</b>	No
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**Optical Characteristics (Overall)**

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