

## M9A700 Fiber - Micro Loose Tube



For more Information  
please call

1-800-Belden1

**Description:**

Micro Loose Tube (Campus) Optical Fiber Cables are breakout style cables with the environmental advantages of a loose tube, gel filled cable. These cables are an ideal solution for indoor/outdoor installations.

**Physical Characteristics (Overall)**

Fiber Type:	50/125/900 Micron
Number of Fibers:	1
Core Diameter:	50
Clad Diameter:	125
Primary Coating Material:	Acrylate
Primary Coating Diameter:	245
Secondary Coating Material:	Engineering Thermoplastic
Secondary Coating Diameter:	900
Buffer Tube Diameter:	.9
Buffer Tube Material:	PBT - Polybutylene Terephthalate
Buffer Tube Filling Material:	Synthetic Thixotropic Gel

**Inner Jacket**

Inner Jacket Color Code Chart:

Number	Color
1	Blue

**Outer Jacket**

Outer Jacket Material:

Outer Jacket Material
PE - Polyethylene

Outer Jacket Nominal Wall Thickness: 0.060

Outer Jacket Diameter:

Nom. Dia. (in.)
0.360

Outer Jacket Ripcord: No

Outer Jacket Color: Black

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

**Strength Member**

Strength Member Material: Aramid Yarn

**Overall Cabling**

Overall Nominal Diameter: 0.360 in.

**Mechanical Characteristics (Overall)**

Storage Temperature Range:	-40°C To +70°C
Operating Temperature Range:	-20°C To +70°C
Min. Bend Radius (Install)/Minor Axis:	7.200 in.
Min. Bend Radius for Long Term Application:	5.400 in.
Crush Resistance:	600 N/cm

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<b>Impact Resistance:</b>	20 Impacts w/ 1.0 N-m
<b>Max. Load for Installation:</b>	330 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>	3.50 dB/km
<b>Maximum Attenuation @ 1300nm:</b>	1.25 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

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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