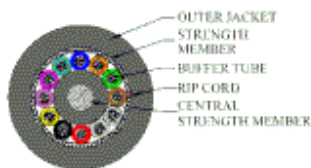


**M9A509 Fiber - Loose Tube All Dielectric - Flooded Core/Single PE Jacket**

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)**

<b>Fiber Type:</b>	50/125/250 Micron
<b>Number of Fibers:</b>	144
<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 Diameter:</b>	250

**Fiber Color Code Chart:**

Color
Blue
Orange
Green
Brown
Slate
White
REd
Black
Yellow
Violet
Rose
Aqua

<b>Buffer Tube Diameter:</b>	2.8
<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	Yellow
4	Brown
5	Slate
6	White
7	Red
8	Black
9	Yellow
10	Violet
11	Rose
12	Aqua

**M9A509 Fiber - Loose Tube All Dielectric - Flooded Core/Single PE Jacket****Outer Jacket**

Outer Jacket Material:

Outer Jacket Material
PE - Polyethylene

Outer Jacket Nominal Wall Thickness: 0.060

Outer Jacket Diameter:

Nom. Dia. (in.)
0.695

Outer Jacket Ripcord: Yes

Outer Jacket Color: Black

**Strength Member**

Strength Member Material: Aramid Yarn

**Overall Cabling**

Overall Nominal Diameter: 0.695 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:	13.900 in.
Min. Bend Radius for Long Term Application:	10.425 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
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

**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

**M9A509 Fiber - Loose Tube All Dielectric - Flooded Core/Single PE Jacket****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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