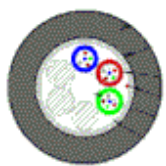


## M9W512T Fiber - Loose Tube All Dielectric - Dry Core/Single PE Jacket



OUTER JACKET  
STRENGTH  
MEMBER  
BUFFER TUBE  
RIP CORD  
CENTRAL  
STRENGTH MEMBER  
WATER SWELLABLE  
TAPE



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>	Single Mode 125/245 Micron
<b>Number of Fibers:</b>	18
<b>Core Diameter:</b>	8.3
<b>Clad Diameter:</b>	125
<b>Primary Coating Material:</b>	Acrylate
<b>Primary Coating Diameter:</b>	245
<b>Secondary Coating Material:</b>	Engineering Thermoplastic
<b>Secondary Coating Diameter:</b>	250

**Fiber Color Code Chart:**

Color
Blue
Orange
Green
Brown
Slate
White

<b>Buffer Tube Diameter:</b>	1.9
<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	Green

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

Outer Jacket Material
PE - Polyethylene

<b>Outer Jacket Nominal Wall Thickness:</b>	0.060
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**Outer Jacket Diameter:**

Nom. Dia. (in.)
0.380

<b>Outer Jacket Ripcord:</b>	Yes
<b>Outer Jacket Color:</b>	Black
<b>Outer Jacket Separator Material:</b>	Water Swellable Tape, 25% overlap

**Strength Member**

<b>Strength Member Material:</b>	Aramid Yarn, Fiberglass Epoxy Rod
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**Overall Cabling**

<b>Overall Nominal Diameter:</b>	0.380 in.
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**M9W512T Fiber - Loose Tube All Dielectric - Dry Core/Single PE Jacket****Mechanical Characteristics (Overall)**

<b>Storage Temperature Range:</b>	-50°C To +80°C
<b>Operating Temperature Range:</b>	-40°C To +70°C
<b>Min. Bend Radius (Install)/Minor Axis:</b>	7.600 in.
<b>Min. Bend Radius for Long Term Application:</b>	5.700 in.
<b>Crush Resistance:</b>	2000 N/cm
<b>Impact Resistance:</b>	2000 Impacts w/ 1.6 N-m
<b>Max. Load for Installation:</b>	600 lbs.

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

<b>Telecommunications Standards:</b>	568B
<b>Other Specification:</b>	ITU G.652.d

**Plenum/Non-Plenum**

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

<b>Maximum Attenuation @ 1310nm:</b>	0.40 dB/km
<b>Maximum Attenuation @ 1550nm:</b>	0.30 dB/km

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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