

## M9W518 Fiber - Loose Tube All Dielectric - Flooded Core/Single PE Jacket



OUTER JACKET  
STRENGTH  
MEMBER  
BUFFER TUBE  
RIP CORD  
CENTRAL  
STRENGTH MEMBER  
FLOODED CORE  
BINDER



For more Information  
please call

1-800-Belden1

## Description:

## Physical Characteristics (Overall)

Fiber Type:	Single Mode 125/245 Micron
Number of Fibers:	48
Core Diameter:	8.3
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
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:	0.060
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## 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
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**M9W518 Fiber - Loose Tube All Dielectric - Flooded Core/Single PE Jacket****Overall Cabling**

Overall Nominal Diameter:	0.415 in.
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**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
Max. Load for Installation:	600 lbs.

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

Telecommunications Standards:	568B
Other Specification:	ITU G.652.d

**Plenum/Non-Plenum**

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

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

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

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