

M9W520 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:	Single Mode 125/245 Micron
Number of Fibers:	216
Core Diameter:	8.3 +/- 2.5
Core Non-Circularity:	5% Maximum
Clad Diameter:	125 +/- 2
Clad Non-Circularity:	1% Maximum
Primary Coating Material:	Acrylate
Primary Coating Diameter:	245 +/- 10
Secondary Coating Material:	Engineering Thermoplastic
Secondary Coating Diameter:	250

Fiber Color Code Chart:

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

Buffer Tube Diameter:	2.8
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
9	Yellow
10	Violet
11	Rose
12	Aqua
13	Blue/Black

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14	Orange/Black
15	Green/Black
16	Brown/Black
17	Slate/Black
18	White/Black

Core-clad Offset: 1.5 Microns Maximum

Outer Jacket

Outer Jacket Material:

Outer Jacket Material

MDPE - Medium Density Polyethylene

Outer Jacket Nominal Wall Thickness: 0.060

Outer Jacket Diameter:

Nom. Dia. (in.)

0.710

Outer Jacket Ripcord: Aramid

Outer Jacket Color: Black

Outer Jacket Separator Material: Water Blocking Tape, 25% Overlap

Strength Member

Strength Member Material: Fiberglass Epoxy Rod, Aramid Yarn

Overall Cabling

Overall Nominal Diameter: 0.710 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: 14.200 in.

Min. Bend Radius for Long Term Application: 10.650 in.

Crush Resistance: Passes TIA/EIA 455-41, 2000 N/cm

Impact Resistance: Passes TIA/EIA 455-25, 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

Optical Characteristics (Overall)

Maximum Attenuation @ 1310nm: 0.40 dB/km

Maximum Attenuation @ 1550nm: 0.30 dB/km

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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