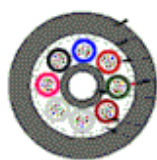


M9W513 Fiber - Loose Tube All Dielectric - Flooded Core/Single PE Jacket



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



For more Information
please call

1-800-Belden1

**Description:**

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:	96
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

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Core-clad Offset:	1.5 Microns Maximum
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Outer Jacket

Outer Jacket Material:

Outer Jacket Material

MDPE - Medium Density Polyethylene

Outer Jacket Nominal Wall Thickness:	0.060
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Outer Jacket Diameter:

Nom. Dia. (in.)

0.542

Outer Jacket Ripcord:	Aramid
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Outer Jacket Color:	Black
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Strength Member

Strength Member Material:	Fiberglass Epoxy Rod, Aramid Yarn
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Overall Cabling

Overall Nominal Diameter:	0.542 in.
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Mechanical Characteristics (Overall)

Storage Temperature Range:	-50°C To +80°C
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Operating Temperature Range:	-40°C To +70°C
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Min. Bend Radius (Install)/Minor Axis:	10.840 in.
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Min. Bend Radius for Long Term Application:	8.130 in.
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Crush Resistance:	Passes TIA/EIA 455-41, 2000 N/cm
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Impact Resistance:	Passes TIA/EIA 455-25, 2000 Impacts w/1.6 N-m
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Max. Load for Installation:	600 lbs.
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Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

EU Directive 2000/53/EC (ELV):	Yes
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EU Directive 2002/95/EC (RoHS):	Yes
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EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2006
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EU Directive 2002/96/EC (WEEE):	Yes
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EU Directive 2003/11/EC (BFR):	Yes
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CA Prop 65 (CJ for Wire & Cable):	Yes
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MII Order #39 (China RoHS):	Yes
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Telecommunications Standards:	568B
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Other Specification:	ITU G.652.d
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Plenum/Non-Plenum

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

Maximum Attenuation @ 1310nm:	0.40 dB/km
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Maximum Attenuation @ 1550nm:	0.30 dB/km
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Notes (Overall)

Notes: Cable is flooded for moisture protection.

Put Ups and Colors:

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Item #	Putup	Ship Weight	Color	Notes	Item Desc
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