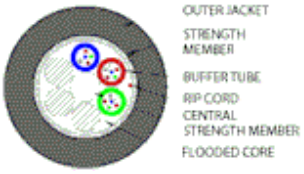
Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

M9W512 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:	18
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

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PE - Polyethylene

Outer Jacket Nominal Wall Thickness:	0.060

Outer Jacket Diameter:

Nom. Dia. (in.)
0.375

Outer Jacket Ripcord:	Yes
Outer Jacket Color:	Black

Strength Member

Strength Member Material:	Aramid Yarn, Fiberglass Epoxy Rod

Overall Cabling

Overall Nominal Diameter:	0.375 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:	7.500 in.
Min. Bend Radius for Long Term Application:	5.625 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

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
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

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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