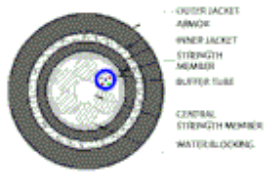


M9B381T Fiber - Loose Tube Armored - Dry Core/Single Armor/Double PE Jacket



For more Information
please call

1-800-Belden1



Description:

FiberExpress Loose Tube (Campus) Armor Optical Fiber Cable Series is made up of rugged fiber cables for applications in hostile environments. This series of cables has corrugated steel armor which provides added protection for direct burial applications

Physical Characteristics (Overall)

Fiber Type:	62.5/125/245 Micron
Number of Fibers:	6
Core Diameter:	62.5 +/- 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

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

Core-clad Offset:	1.5 Microns Maximum
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Inner Jacket

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
MDPE - Medium Density Polyethylene

Outer Jacket Nominal Wall Thickness:	.055
Outer Jacket Ripcord:	Aramid
Outer Jacket Color:	Black
Outer Jacket Separator Material:	Overall Water Blocking Tape

Strength Member

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Strength Member Material:	Fiberglass Epoxy Rod, Aramid Yarn
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Armor

Armor Type:	Corrugated
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Armor Material:	Steel
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Armor Thickness:	.006
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Overall Cabling

Overall Cabling Fillers:	Polyethylene
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Overall Nominal Diameter:	0.530 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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Bulk Cable Weight:	103 lbs/1000 ft.
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Min. Bend Radius (Install)/Minor Axis:	10.600 in.
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Min. Bend Radius for Long Term Application:	8 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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Solar Radiation Resistance:	High
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Water Penetration:	Passes TIA/EIA 455-82
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Compound Flow:	Passes TIA/EIA 455-81
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Cyclic Flexing:	Passes TIA/EIA 455-104
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Twist Bend:	Passes TIA/EIA 455-85
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Max. Load for Installation:	600 lbs.
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Max. Load for Long Term Application:	180 lbs.
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Proof Test:	100 kpsi
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Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

IEEE Specification:	802.3Z
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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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Suitability

Suitability - Indoor:	Yes
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Suitability - Outdoor:	Yes
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Suitability - Burial:	Yes
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Sunlight Resistance:	Yes
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Plenum/Non-Plenum

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

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Maximum Attenuation @ 850nm:	3.25 dB/km
Maximum Attenuation @ 1300nm:	1.0 dB/km
Point Loss @ 850nm & 1300nm:	.2
Minimum Bandwidth @ 850nm:	200 MHz*km
Minimum Bandwidth @ 1300nm:	500 MHz*km
Refractive Index @ 850nm:	1.496
Refractive Index @ 1300nm:	1.491
Numerical Aperature:	.275
Maximum Gigabit Ethernet Length @ 850nm:	300
Maximum Gigabit Ethernet Length @ 1300nm:	550

Reference (Overall)

Previous Part Number:	MLC6006
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Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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