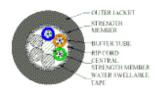


M9A512T Fiber - Loose Tube All Dielectric - Dry Core/Single PE Jacket



X

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:	50/125/250 Micron			
Number of Fibers:	18			
Core Diameter:	50 +/- 2.5			
Core Non-Circularity:	5% Maximum			
Clad Diameter:	125 +/- 1			
Clad Non-Circularity:	2% Maximum			
Primary Coating Material:	Acrylate			
Primary Coating Diameter:	245 +/- 10			
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

Core-clad Offset: 3 Microns Maximum

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
MDPE - Medium Density Polyethylene

Outer Jacket Nominal Wall Thickness:	.055
Outer Jacket Ripcord:	Polyester

Outer Jacket Color: Black

Strength Member

Strength Member Material: Fiberglass Epoxy Rod, Aramid Yarn

Overall Cabling

Overall Cabling Fillers: Polyethylene

Overall Nominal Diameter: 0.375 in.



M9A512T Fiber - Loose Tube All Dielectric - Dry Core/Single PE Jacket

-		
Med	chanical Characteristics (Overall)	
	Storage Temperature Range:	-50°C To +80°C
	Operating Temperature Range:	-40°C To +70°C
	Bulk Cable Weight:	46 lbs/1000 ft.
	Min. Bend Radius (Install)/Minor Axis:	7.500 in.
	Min. Bend Radius for Long Term Application:	5.600 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
	Solar Radiation Resistance:	High
	Water Penetration:	Passes TIA/EIA 455-82
	Compound Flow:	Passes TIA/EIA 455-81
	Cyclic Flexing:	Passes TIA/EIA 455-104
	Max. Load for Installation:	600 lbs.
	Max. Load for Long Term Application:	180 lbs.
	Proof Test:	100 kpsi
App	olicable Specifications and Agency Com	pliance (Overall)
	olicable Standards & Environmental Progran	
	IEEE Specification:	802.3Z
Sui	tability	
	Suitability - Indoor:	Yes
	Suitability - Outdoor:	Yes
	Suitability - Aerial:	Yes
	Sunlight Resistance:	Yes
Ple	num/Non-Plenum	
	Plenum (Y/N):	No
Opt	ical Characteristics (Overall)	
	Maximum Attenuation @ 850nm:	3.0 dB/km
	Maximum Attenuation @ 1300nm:	1.0 dB/km
	Point Loss @ 850nm & 1300nm:	0.2
	Minimum Bandwidth @ 850nm:	500 MHz*km
	Minimum Bandwidth @ 1300nm:	500 MHz*km
	Refractive Index @ 850nm:	1.496
	Refractive Index @ 1300nm:	1.491
	Numerical Aperature:	0.200
	Maximum Gigabit Ethernet Length @ 850nm:	600
	Maximum Gigabit Ethernet Length @ 1300nm:	600

Put Ups and Colors:

Item # Putup Ship W	eight Color	Notes It	em Desc
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Detailed Specifications & Technical Data





M9A512T Fiber - Loose Tube All Dielectric - Dry Core/Single PE Jacket

Revision Number: 1 Revision Date: 05-14-2007

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