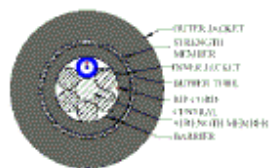**BELDEN**
SENDING ALL THE RIGHT SIGNALS

M9B840 Fiber - Loose Tube All Dielectric - Dry Core/Double PE Jacket

For more Information
please call

1-800-Belden1

Description:

Loose Tube All Dielectric - Dry Core/Double PE Jacket.

Physical Characteristics (Overall)

Fiber Type:	62.5/125/250 Micron
Number of Fibers:	2
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
Secondary Coating Diameter:	250

Fiber Color Code Chart:

Color
Blue
Orange

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

Inner Jacket

Inner Jacket Ripcord:	Yes

Inner Jacket Color Code Chart:

Number	Color
1	Black

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
MDPE - Medium Density Polyethylene

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:	0.440 in.

Mechanical Characteristics (Overall)

M9B840 Fiber - Loose Tube All Dielectric - Dry Core/Double PE Jacket

Storage Temperature Range:	-50°C To +80°C
Operating Temperature Range:	-40°C To +70°C
Bulk Cable Weight:	60 lbs/1000 ft.
Min. Bend Radius (Install)/Minor Axis:	8.800 in.
Min. Bend Radius for Long Term Application:	6.600 in.
Crush Resistance:	Passes TIA/EIA 455-41; 2000N/cm
Impact Resistance:	Passes TIA/EIA 455-25; 2000 Impacts @ 1.6 N-cm
Solar Radiation Resistance:	High
Water Penetration:	Passes TIA/EIA 455-82
Compound Flow:	Passes TIA/EIA 455-81
Max. Load for Installation:	600 lbs.
Max. Load for Long Term Application:	180 lbs.
Proof Test:	100 kpsi

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

IEEE Specification:	802.3Z

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Aerial:	Yes
Suitability - Burial:	Yes
Sunlight Resistance:	Yes

Plenum/Non-Plenum

Plenum (Y/N):	No

Optical Characteristics (Overall)

Maximum Attenuation @ 850nm:	3.25 dB/km
Maximum Attenuation @ 1300nm:	1.0 dB/km
Point Loss @ 850nm & 1300nm:	0.2
Minimum Bandwidth @ 850nm:	200 MHz*km
Minimum Bandwidth @ 1300nm:	500 MHz*km
Refractive Index @ 850nm:	1.496
Refractive Index @ 1300nm:	1.491
Numerical Aperature:	0.275
Maximum Gigabit Ethernet Length @ 850nm:	300
Maximum Gigabit Ethernet Length @ 1300nm:	550

Reference (Overall)

Previous Part Number:	MLD6002

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc

M9B840 Fiber - Loose Tube All Dielectric - Dry Core/Double PE Jacket

Revision Number: 4   Revision Date: 05-14-2007