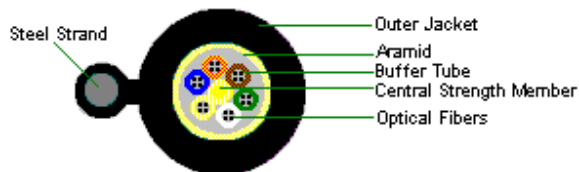


MLM6004 Fiber - Steel Messenger Cable, Loose Tube - Aerial



For more Information
please call

1-800-Belden1

**Obsolete
Call**

1-800-BELDEN1

Description:

The messengered style outdoor loose tube cables are designed for aerial application between poles, buildings or other structures. It is constructed in a figure 8 profile with a galvanized steel support wire and a polyethylene jacket overall.

Physical Characteristics (Overall)

Fiber Type:	62.5/125/245 Micron
Number of Fibers:	4
Core Diameter:	62.5 +/- 2.5
Core Non-Circularity:	5% Maximum
Clad Diameter:	125 +/- 1
Clad Non-Circularity:	1% Maximum
Primary Coating Material:	Acrylate
Primary Coating Diameter:	245 +/- 10
Buffer Tube Diameter:	2.5
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

Inner Jacket Nominal Wall Thickness:	.045
Inner Jacket Ripcord:	Polyester

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

Messenger

Messenger Diameter:	.250
Messenger Material:	Flooded Stranded EHS Steel

Strength Member

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

Overall Cabling Fillers:	Foam Polypropylene
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Overall Nominal Diameter:	0.530 x 1.000 in.
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Mechanical Characteristics (Overall)

Storage Temperature Range:	-40°C To +80°C
Operating Temperature Range:	-40°C To +80°C
Bulk Cable Weight:	246 lbs/1000 ft.
Min. Bend Radius (Install)/Minor Axis:	10.600 in.
Min. Bend Radius for Long Term Application:	10.600 in.
Crush Resistance:	Passes TIA/EIA 455-41
Impact Resistance:	Passes TIA/EIA 455-25
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:	3990 lbs.
Max. Load for Long Term Application:	3990 lbs.
Proof Test:	100 kpsi

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

IEEE Specification:	802.3Z
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Suitability

Suitability - Outdoor:	Excellent
Suitability - Aerial:	Excellent
Sunlight Resistance:	High

Plenum/Non-Plenum

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

Maximum Attenuation @ 850nm:	3.5 dB/km
Maximum Attenuation @ 1300nm:	1.0 dB/km
Point Loss @ 850nm & 1300nm:	0.2
Minimum Bandwidth @ 850nm:	220 MHz*km
Minimum Bandwidth @ 1300nm:	600 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

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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Revision Number: 1 Revision Date: 05-14-2007

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