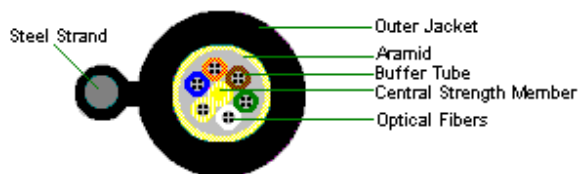


MLM6018 Fiber - Steel Messenger Cable, Loose Tube - Aerial



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:	18
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

Fiber Color Code Chart:

Color
Blue
Orange
Green
Brown
Gray
White

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
2	Orange
3	Green

Core-clad Offset:	1.5 Microns Maximum
--------------------------	---------------------

Inner Jacket

Inner Jacket Nominal Wall Thickness:	.045
---	------

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

MLM6018 Fiber - Steel Messenger Cable, Loose Tube - Aerial**Messenger**

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

Strength Member

Strength Member Material:	Fiberglass Epoxy Rod, Fiberglass Yarn
---------------------------	---------------------------------------

Overall Cabling

Overall Cabling Fillers:	Foam Polypropylene
Overall Nominal Diameter:	0.530 x 1.000 in.

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
---------------------	--------

Suitability

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

Plenum/Non-Plenum

Plenum (Y/N):	No
---------------	----

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

MLM6018 Fiber - Steel Messenger Cable, Loose Tube - Aerial

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
--------	-------	-------------	-------	-------	-----------

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

© 2008 Belden, Inc
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.