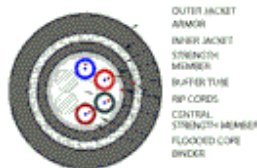


M9B365 Fiber - Loose Tube Armored - Dry Core/Single Armor/Double PE Jacket



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:	62.5/125/250 Micron
Number of Fibers:	8
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
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
4	Brown

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

Inner Jacket

Inner Jacket Nominal Wall Thickness:	0.030
--------------------------------------	-------

Inner Jacket Color Code Chart:

Number	Color
1	Black

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
MDPE - Medium Density Polyethylene

Outer Jacket Nominal Wall Thickness:	0.060
--------------------------------------	-------

Outer Jacket Diameter:

Nom. Dia. (in.)
0.530

Outer Jacket Ripcord:	Aramid
-----------------------	--------

Outer Jacket Color:	Black
---------------------	-------

Strength Member

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

M9B365 Fiber - Loose Tube Armored - Dry Core/Single Armor/Double PE Jacket**Armor**

Armor Type:	Corrugated
Armor Material:	Steel

Overall Cabling

Overall Cabling Fillers:	Polyethylene
Overall Nominal Diameter:	0.530 in.

Mechanical Characteristics (Overall)

Storage Temperature Range:	-50°C To +80°C
Operating Temperature Range:	-40°C To +70°C
Min. Bend Radius (Install)/Minor Axis:	10.600 in.
Min. Bend Radius for Long Term Application:	8 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
Water Penetration:	Passes TIA/EIA 455-82
Compound Flow:	Passes TIA/EIA 455-81
Cyclic Flexing:	Passes TIA/EIA 455-104
Twist Bend:	Passes TIA/EIA 455-85
Max. Load for Installation:	600 lbs.
Proof Test:	100 kpsi

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

IEEE Specification:	802.3Z
Telecommunications Standards:	568B

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	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:	1.00 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:	.275
Maximum Gigabit Ethernet Length @ 850nm:	300
Maximum Gigabit Ethernet Length @ 1300nm:	550

M9B365 Fiber - Loose Tube Armored - Dry Core/Single Armor/Double PE Jacket

Notes (Overall)

Notes: Cable is flooded for moisture protection.

Put Ups and Colors:

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

Revision Number: 0 Revision Date: 05-14-2007

© 2010 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.