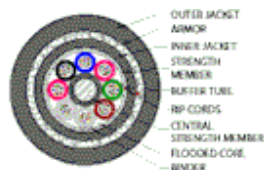


M9W398 Fiber - Loose Tube Armored - Dry Core/Single Armor/Double PE Jacket


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:	Single Mode 125/245 Micron
Number of Fibers:	96
Core Diameter:	8.3 +/- 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 Material:	Engineering Thermoplastic
Secondary Coating Diameter:	250

Fiber Color Code Chart:

Color
Blue
Orange
Green
Brown
Slate
White
Red
Black
Yellow
Violet
Rose
Aqua

Buffer Tube Diameter:	2.8
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
5	Slate
6	White
7	Red
8	Black

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

Inner Jacket

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

M9W398 Fiber - Loose Tube Armored - Dry Core/Single Armor/Double PE Jacket

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.)
0.690

Outer Jacket Ripcord: Aramid

Outer Jacket Color: Black

Strength Member

Strength Member Material: Fiberglass Epoxy Rod, Aramid Yarn

Armor

Armor Type: Corrugated

Armor Material: Steel

Overall Cabling

Overall Nominal Diameter: 0.690 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: 14.600 in.

Min. Bend Radius for Long Term Application: 10.950 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

Max. Load for Installation: 600 lbs.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

Telecommunications Standards: 568B

Other Specification: ITU G.652.d

Plenum/Non-Plenum

Plenum (Y/N): No

Optical Characteristics (Overall)

Maximum Attenuation @ 1310nm: 0.40 dB/km

Maximum Attenuation @ 1550nm: 0.30 dB/km

Notes (Overall)

Notes: Cable is flooded for moisture protection.

Put Ups and Colors:

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

M9W398 Fiber - Loose Tube Armored - Dry Core/Single Armor/Double PE Jacket

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.