

M9A038 Fiber - Tight Buffer Distribution Cables - Riser (OFNR)



For more Information
please call

1-800-Belden1

Description:

FiberExpress Optical Fiber Distribution Cables are designed for low to high fiber count in-building installations. They offer a high degree of flexibility for backbone and horizontal applications.

Physical Characteristics (Overall)

Fiber Type:	50/125/900 Micron
Number of Fibers:	4
Core Diameter:	50 +/- 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:	900 +/- 50

Fiber Color Code Chart:

Color
Blue
Orange
Green
Brown

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

Outer Jacket**Outer Jacket Material:**

Outer Jacket Material
PVC - Polyvinyl Chloride

Outer Jacket Color:	Orange
---------------------	--------

Strength Member

Strength Member Material:	Aramid Yarn
---------------------------	-------------

Overall Cabling

Overall Nominal Diameter:	0.200 in.
---------------------------	-----------

Mechanical Characteristics (Overall)

Storage Temperature Range:	-40°C To +80°C
Operating Temperature Range:	-20°C To +70°C
Bulk Cable Weight:	16 lbs/1000 ft.
Min. Bend Radius (Install)/Minor Axis:	3 in.
Min. Bend Radius for Long Term Application:	2 in.
Max. Load for Installation:	180 lbs.
Max. Load for Long Term Application:	69 lbs.
Proof Test:	100 kpsi

M9A038 Fiber - Tight Buffer Distribution Cables - Riser (OFNR)**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	OFNR
-------------------------	------

CEC/C(UL) Specification:	OFN
--------------------------	-----

IEEE Specification:	802.3Z
---------------------	--------

Flame Test

C(UL) Flame Test:	FT4
-------------------	-----

Suitability

Suitability - Indoor:	Yes
-----------------------	-----

Suitability - Outdoor:	No
------------------------	----

Sunlight Resistance:	No
----------------------	----

Plenum/Non-Plenum

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

Optical Characteristics (Overall)

Maximum Attenuation @ 850nm:	3.5 dB/km
------------------------------	-----------

Maximum Attenuation @ 1300nm:	1.25 dB/km
-------------------------------	------------

Point Loss @ 850nm & 1300nm:	.2
------------------------------	----

Minimum Bandwidth @ 850nm:	500 MHz*km
----------------------------	------------

Minimum Bandwidth @ 1300nm:	500 MHz*km
-----------------------------	------------

Refractive Index @ 850nm:	1.483
---------------------------	-------

Refractive Index @ 1300nm:	1.479
----------------------------	-------

Numerical Aperature:	.2
----------------------	----

Maximum Gigabit Ethernet Length @ 850nm:	600
--	-----

Maximum Gigabit Ethernet Length @ 1300nm:	600
---	-----

Put Ups and Colors:

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

Revision Number: 2 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.