

M9B021 Fiber - Tight Buffer Breakout Cables (2.5 mm subunits)-Riser (OFNR)



OUTER JACKET
SUB-UNIT JACKET
ARAMID STRENGTH
ELEMENTS
STRENGTH MEMBERS
TIGHT BUFFERED
FIBER



For more Information
please call

1-800-Belden1

Description:

FiberExpress Optical Fiber Breakout Cables are designed for low to medium fiber count in-building, harsh-environment installations. Breakout or fanout cables offer a high degree of flexibility for backbone and horizontal applications.

Physical Characteristics (Overall)

Fiber Type:	62.5/125/900 Micron
Number of Fibers:	2
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 Material:	Engineering Thermoplastic
Secondary Coating Diameter:	900 +/- 50
Breakout Element Diameter:	.098
Breakout Element Material:	Engineering Thermoplastic

Buffer Tube Color Code Chart:

Number	Color
1	Blue
2	Orange

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:	0.300 in.
----------------------------------	-----------

Mechanical Characteristics (Overall)

Storage Temperature Range:	-40°C To +80°C
Operating Temperature Range:	-20°C To +70°C
Bulk Cable Weight:	30 lbs/1000 ft.
Min. Bend Radius (Install)/Minor Axis:	4.500 in.
Min. Bend Radius for Long Term Application:	3 in.
Crush Resistance:	EIA-455-41, 2000 N/cm
Impact Resistance:	EIA-455-25, 2000 Impacts w/1.6 N-m

M9B021 Fiber - Tight Buffer Breakout Cables (2.5 mm subunits)-Riser (OFNR)

Cyclic Flexing:	EIA-455-104 2000 Cycles min.
Max. Load for Installation:	240 lbs.
Max. Load for Long Term Application:	65 lbs.
Proof Test:	100 kpsi

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

UL Flame Test:	UL1666 Riser
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:	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

Reference (Overall)

Previous Part Number:	MTB6002
------------------------------	---------

Put Ups and Colors:

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

Revision Number: 3 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.

M9B021 Fiber - Tight Buffer Breakout Cables (2.5 mm subunits)-Riser (OFNR)