

## M9B030 Fiber - Tight Buffer Breakout Cables (2.5 mm subunits)-Plenum (OFNP)



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:	4
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:	Plenum Grade PVC - Polyvinyl Chloride
Secondary Coating Diameter:	900 +/- 50
Breakout Element Diameter:	.098
Breakout Element Material:	Plenum Grade PVC - Polyvinyl Chloride

**Buffer Tube Color Code Chart:**

Number	Color
1	Blue
2	Orange
3	Green
4	Brown

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

**Outer Jacket****Outer Jacket Material:**

Outer Jacket Material
Plenum Grade PVC - Polyvinyl Chloride

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

**Strength Member**

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

**Overall Cabling**

Overall Nominal Diameter:	0.304 in.
---------------------------	-----------

**Mechanical Characteristics (Overall)**

Storage Temperature Range:	-40°C To +80°C
Operating Temperature Range:	-20°C To +70°C
Bulk Cable Weight:	39 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

**M9B030 Fiber - Tight Buffer Breakout Cables (2.5 mm subunits)-Plenum (OFNP)**

Impact Resistance:	EIA-455-25, 2000 Impacts w/1.6 N-m
Cyclic Flexing:	EIA-455-104 2000 Cycles min.
Max. Load for Installation:	345 lbs.
Max. Load for Long Term Application:	75 lbs.
Proof Test:	100 kpsi

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

NEC/(UL) Specification:	OFNP
CEC/C(UL) Specification:	OFN
IEEE Specification:	802.3Z

**Flame Test**

UL Flame Test:	NFPA 262
C(UL) Flame Test:	FT6

**Suitability**

Suitability - Indoor:	Yes
Suitability - Outdoor:	No
Sunlight Resistance:	No

**Plenum/Non-Plenum**

Plenum (Y/N):	Yes
---------------	-----

**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

**Notes (Overall)**

**Notes:** Note: Outdoor installation must be in conduit or protected from UV exposure.

**Reference (Overall)**

Previous Part Number:	MTBP604
-----------------------	---------

**Put Ups and Colors:**

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

Revision Number: 4    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.

---

## **M9B030 Fiber - Tight Buffer Breakout Cables (2.5 mm subunits)-Plenum (OFNP)**

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.