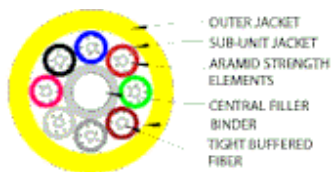


## M9W032 Fiber - Tight Buffer Breakout Cables (2.5 mm subunits)-Plenum (OFNP)



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)**

<b>Fiber Type:</b>	Single Mode/125/900 Micron
<b>Number of Fibers:</b>	8
<b>Core Diameter:</b>	8.3
<b>Clad Diameter:</b>	125 +/- 2
<b>Clad Non-Circularity:</b>	1% Maximum
<b>Primary Coating Material:</b>	Acrylate
<b>Primary Coating Diameter:</b>	245 +/- 10
<b>Secondary Coating Material:</b>	Plenum Grade PVC - Polyvinyl Chloride
<b>Secondary Coating Diameter:</b>	900 +/- 50

**Fiber Color Code Chart:**

Color
Slate

<b>Core-clad Offset:</b>	1.5 Microns Maximum
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**Inner Jacket****Inner Jacket Color Code Chart:**

Number	Color
1	Blue
2	Orange
3	Green
4	Brown
5	Slate
6	White
7	Red
8	Black

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

Outer Jacket Material
PVDF - Fluorocopolymer

<b>Outer Jacket Nominal Wall Thickness:</b>	0.025
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**Outer Jacket Diameter:**

Nom. Dia. (in.)
0.408

<b>Outer Jacket Color:</b>	Yellow
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<b>Outer Jacket Separator Material:</b>	Overall Polyester Tape, 25% Overlap
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**Strength Member**

<b>Strength Member Material:</b>	Aramid Yarn, Fiberglass Epoxy Rod
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**Overall Cabling**

<b>Overall Nominal Diameter:</b>	0.408 in.
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**M9W032 Fiber - Tight Buffer Breakout Cables (2.5 mm subunits)-Plenum (OFNP)**
**Mechanical Characteristics (Overall)**

Storage Temperature Range:	-40°C To +80°C
Operating Temperature Range:	-20°C To +70°C
Min. Bend Radius (Install)/Minor Axis:	6.120 in.
Min. Bend Radius for Long Term Application:	4.080 in.
Crush Resistance:	EIA-455-41, 2000 N/cm
Impact Resistance:	EIA-455-25, 2000 Impacts w/1.6 N-m
Cyclic Flexing:	EIA-455-104 2000 Cycles min.
Max. Load for Installation:	600 lbs.
Proof Test:	100 kpsi

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

NEC/(UL) Specification:	OFNP
CEC/C(UL) Specification:	OFN
Telecommunications Standards:	568B
Other Specification:	ITU G.652.d

**Flame Test**

C(UL) Flame Test:	FT6
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**Plenum/Non-Plenum**

Plenum (Y/N):	Yes
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**Optical Characteristics (Overall)**

Maximum Attenuation @ 1310nm:	0.80 dB/km
Maximum Attenuation @ 1550nm:	0.50 dB/km

**Notes (Overall)**

**Notes:** This cable is designed for use in indoor applications. It can also be used in interbuilding applications as outlined in technical advisory #21.

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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