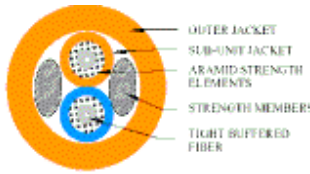


## M9A013 Fiber - Tight Buffer Breakout Cables (2.0 mm subunits)-Plenum (OFNP)



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:	50/125/900 Micron
Number of Fibers:	2
Core Diameter:	50
Clad Diameter:	125
Primary Coating Material:	Acrylate
Primary Coating Diameter:	245
Secondary Coating Material:	Engineering Thermoplastic
Secondary Coating Diameter:	900

**Fiber Color Code Chart:**

Color
Slate

**Inner Jacket****Inner Jacket Color Code Chart:**

Number	Color
1	Blue
2	Orange

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

Outer Jacket Material
Plenum Grade PVC - Polyvinyl Chloride

Outer Jacket Nominal Wall Thickness: 0.030

**Outer Jacket Diameter:**

Nom. Dia. (in.)
0.230

Outer Jacket Color: Orange

**Strength Member**

Strength Member Material: Aramid Yarn, Fiberglass Epoxy Rod

**Overall Cabling**

Overall Nominal Diameter: 0.230 in.

**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:	3.450 in.
Min. Bend Radius for Long Term Application:	2.300 in.
Crush Resistance:	2000 N/cm
Impact Resistance:	2000 Impacts w/1.6 N•m

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<b>Cyclic Flexing:</b>	2000 Cycles min.
<b>Max. Load for Installation:</b>	180 lbs.

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

<b>NEC/(UL) Specification:</b>	OFNP
<b>CEC/C(UL) Specification:</b>	OFN
<b>IEEE Specification:</b>	802.3z
<b>Telecommunications Standards:</b>	TIA/EIA-568B

**Flame Test**

<b>C(UL) Flame Test:</b>	FT6
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**Suitability**

<b>Suitability - Indoor:</b>	Yes
<b>Suitability - Outdoor:</b>	No

**Plenum/Non-Plenum**

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

<b>Maximum Attenuation @ 850nm:</b>	3.50 dB/km
<b>Maximum Attenuation @ 1300nm:</b>	1.25 dB/km
<b>Minimum Bandwidth @ 850nm:</b>	500 MHz*km
<b>Minimum Bandwidth @ 1300nm:</b>	500 MHz*km
<b>Maximum Gigabit Ethernet Length @ 850nm:</b>	600
<b>Maximum Gigabit Ethernet Length @ 1300nm:</b>	600

**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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