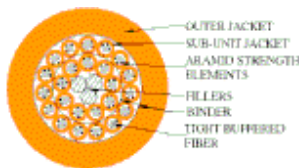


**M9B020 Fiber - Tight Buffer Breakout Cables (2.0 mm subunits)-Plenum (OFNP)**


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)**

<b>Fiber Type:</b>	62.5/125/900 Micron
<b>Number of Fibers:</b>	24
<b>Core Diameter:</b>	62.5
<b>Clad Diameter:</b>	125
<b>Primary Coating Material:</b>	Acrylate
<b>Primary Coating Diameter:</b>	245
<b>Secondary Coating Material:</b>	Plenum Grade PVC - Polyvinyl Chloride
<b>Secondary Coating Diameter:</b>	900

**Fiber Color Code Chart:**

Color
Slate

**Inner Jacket**

<b>Inner Jacket Nominal Wall Thickness:</b>	0.078
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**Inner Jacket Color Code Chart:**

Number	Color
1	Orange
2	Orange
3	Orange
4	Orange
5	Orange
6	Orange
7	Orange
8	Orange
9	Orange
10	Orange
11	Orange
12	Orange
13	Orange
14	Orange
15	Orange
16	Orange
17	Orange
18	Orange
19	Orange
20	Orange
21	Orange
22	Orange
23	Orange
24	Orange

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

Outer Jacket Material

## M9B020 Fiber - Tight Buffer Breakout Cables (2.0 mm subunits)-Plenum (OFNP)

PVDF - Fluorocopolymer
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Outer Jacket Nominal Wall Thickness: 0.032

Outer Jacket Diameter:

Nom. Dia. (in.)
0.544

Outer Jacket Color: Orange

## Strength Member

Strength Member Material: Aramid Yarn, Fiberglass Epoxy Rod

## 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: 8.160 in.

Min. Bend Radius for Long Term Application: 5.440 in.

Crush Resistance: 2000 N/cm

Impact Resistance: 2000 Impacts w/ 1.6 N-m

Cyclic Flexing: 2000 Cycles min.

Max. Load for Installation: 600 lbs.

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

NEC/(UL) Specification: OFNP

CEC/C(UL) Specification: OFN

IEEE Specification: 802.3z

Telecommunications Standards: 568B

## Flame Test

C(UL) Flame Test: FT6

## Plenum/Non-Plenum

Plenum (Y/N): Yes

## Optical Characteristics (Overall)

Maximum Attenuation @ 850nm: 3.50 dB/km

Maximum Attenuation @ 1300nm: 1.25 dB/km

Minimum Bandwidth @ 850nm: 200 MHz\*km

Minimum Bandwidth @ 1300nm: 500 MHz\*km

Maximum Gigabit Ethernet Length @ 850nm: 300

Maximum Gigabit Ethernet Length @ 1300nm: 550

## 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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## M9B020 Fiber - Tight Buffer Breakout Cables (2.0 mm subunits)-Plenum (OFNP)

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