

## M9W025 Fiber - Tight Buffer Breakout Cables (2.5 mm subunits)-Riser (OFNR)



OUTER JACKET  
SUB-UNIT JACKET  
ARAMID STRENGTH  
ELEMENTS  
CENTRAL FILLER  
BINDER  
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)**

<b>Fiber Type:</b>	Single Mode/125/900 Micron
<b>Number of Fibers:</b>	10
<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>	Engineering Thermoplastic
<b>Secondary Coating Diameter:</b>	900 +/- 50

**Fiber Color Code Chart:****Color**

Slate

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

**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
9	Yellow
10	Violet

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

PVC - Polyvinyl Chloride

**Outer Jacket Nominal Wall Thickness:** 0.060

**Outer Jacket Diameter:****Nom. Dia. (in.)**

0.540

**Outer Jacket Color:** Yellow

**Outer Jacket Separator Material:** Overall Polyester Tape, 25% Overlap

**Strength Member**

**Strength Member Material:** Aramid Yarn, Fiberglass Epoxy Rod

**M9W025 Fiber - Tight Buffer Breakout Cables (2.5 mm subunits)-Riser (OFNR)****Overall Cabling**

Overall Nominal Diameter:	0.540 in.
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**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:	8.100 in.
Min. Bend Radius for Long Term Application:	5.400 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:	OFNR
CEC/C(UL) Specification:	OFN
Telecommunications Standards:	568B
Other Specification:	ITU G.652.d

**Flame Test**

UL Flame Test:	UL1666 Riser
C(UL) Flame Test:	FT4

**Plenum/Non-Plenum**

Plenum (Y/N):	No
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**Optical Characteristics (Overall)**

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

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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