

M9C604 Fiber - Tight Buffer Distribution Cables - Riser (OFNR)



For more Information
please call

1-800-Belden1

Description:

FiberExpress Optical Fiber Distribution Cables are designed for low to high fiber count in-building installations. They offer a high degree of flexibility for backbone and horizontal applications.

Physical Characteristics (Overall)

Fiber Type:	50/125/900 Micron
Number of Fibers:	36
Core Diameter:	50 +/- 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:	Engineering Thermoplastic
Secondary Coating Diameter:	900 +/- 50

Fiber Color Code Chart:

Color
Blue
Orange
Green
Brown
Slate
White

Core-clad Offset:	1.5 Microns Maximum
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Inner Jacket

Inner Jacket Nominal Wall Thickness:	0.018
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Inner Jacket Color Code Chart:

Number	Color
1	Blue
2	Orange
3	Green
4	Brown
5	Slate
6	White

Outer Jacket**Outer Jacket Material:**

Outer Jacket Material
PVC - Polyvinyl Chloride

Outer Jacket Nominal Wall Thickness:	0.050
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Outer Jacket Diameter:

Nom. Dia. (in.)
0.644

Outer Jacket Color:	Aqua
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Outer Jacket Separator Material:	Overall Polyester Tape, 25% Overlap
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Strength Member

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Strength Member Material: Aramid Yarn, Fiberglass Epoxy Rod

Overall Cabling

Overall Nominal Diameter: 0.644 in.

Mechanical Characteristics (Overall)

Storage Temperature Range: -40°C To +80°C

Operating Temperature Range: -20°C To +70°C

Bulk Cable Weight: 137 lbs/1000 ft.

Min. Bend Radius (Install)/Minor Axis: 9.700 in.

Min. Bend Radius for Long Term Application: 6.400 in.

Max. Load for Installation: 1440 lbs.

Max. Load for Long Term Application: 240 lbs.

Proof Test: 100 kpsi

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

NEC/(UL) Specification: OFNR

CEC/C(UL) Specification: OFN

IEEE Specification: 802.3Z

Telecommunications Standards: 568B

Flame Test

C(UL) Flame Test: FT4

Suitability

Suitability - Indoor: Yes

Suitability - Outdoor: No

Plenum/Non-Plenum

Plenum (Y/N): No

Optical Characteristics (Overall)

Maximum Attenuation @ 850nm: 3.50 dB/km

Maximum Attenuation @ 1300nm: 1.25 dB/km

Point Loss @ 850nm & 1300nm: 0.2

Minimum Bandwidth @ 850nm: 1500 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

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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