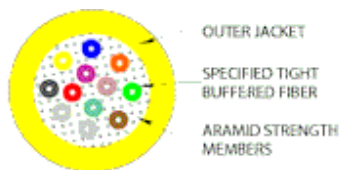


M9W104 Fiber - Tight Buffer Distribution Cables - Riser (OFNR)



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: | Single Mode/125/900 Micron |
| Number of Fibers: | 12 |
| Core Diameter: | 8.3 |
| Mode Field Diameter @ 1310nm: | 9.2 +/- 0.4 |
| Mode Field Diameter @1550nm: | 10.5 +/- 1.0 |
| Clad Diameter: | 125 +/- 1 |
| Clad Non-Circularity: | 1% Maximum |
| Core-clad Concentricity Error: | 0.6 Microns Maximum |
| Primary Coating Material: | Acrylate |
| Primary Coating Diameter: | 245 +/- 10 |
| Secondary Coating Material: | LSNH - Low Smoke Non-Halogen |
| Secondary Coating Diameter: | 900 +/- 50 |

Fiber Color Code Chart:

| Color |
|--------|
| Blue |
| Orange |
| Green |
| Brown |
| Slate |
| White |
| Red |
| Black |
| Yellow |
| Violet |
| Rose |
| Aqua |

Core-clad Offset: 0.6 Microns Maximum

Outer Jacket**Outer Jacket Material:**

| Outer Jacket Material |
|------------------------------|
| LSNH - Low Smoke Non-Halogen |

Outer Jacket Nominal Wall Thickness: 0.045

Outer Jacket Diameter:

| Nom. Dia. (in.) |
|-----------------|
| 0.255 |

Outer Jacket Color: Yellow

Strength Member

Strength Member Material: Aramid Yarn

Overall Cabling

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| | |
|---------------------------|-----------|
| Overall Nominal Diameter: | 0.255 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: | 3.300 in. |
| Min. Bend Radius for Long Term Application: | 2.200 in. |
| Crush Resistance: | 2000 N/cm |
| Impact Resistance: | 2000 Impacts w/ 1.6 N-m |
| Cyclic Flexing: | 2000 Cycles min. |
| Max. Load for Installation: | 300 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: | G.652.d |

Flame Test

| | |
|-------------------|-----|
| C(UL) Flame Test: | FT4 |
|-------------------|-----|

Plenum/Non-Plenum

| | |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

Optical Characteristics (Overall)

| | |
|-------------------------------|--------------|
| Maximum Attenuation @ 1310nm: | 0.8 dB/km |
| Maximum Attenuation @ 1550nm: | 0.5 dB/km |
| Point Loss @ 1310 & 1550nm: | .1 |
| Dispersion @ 1310nm: | 3.5 |
| Dispersion @ 1550 nm: | 18 |
| Dispersion Slope: | .092 |
| Zero Dispersion Wavelength: | 1310 +/- 10 |
| Cutoff Wavelength: | 1260 Maximum |
| Refractive Index @ 1310nm: | 1.4695 |
| Refractive Index @ 1550nm: | 1.44701 |

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|--------|-------|-------------|-------|-------|-----------|
|--------|-------|-------------|-------|-------|-----------|

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