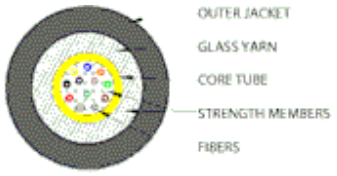
# Detailed Specifications & Technical Data

**ENGLISH MEASUREMENT VERSION**

## M9W204 Fiber - LooseTube Indoor/Outdoor All Dielectric Dry Core-Plenum OFNP




For more Information please call

1-800-Belden1

## Description:

FiberExpress Loose Tube Optical Fiber Cables are loose-tube buffered cables suited for outdoor applications such as lashed aerial or underground conduit.

## Physical Characteristics (Overall)

| | |
|---|---|
| **Fiber Type:** | Single Mode/125/900 Micron |
| **Number of Fibers:** | 12 |
| **Core Diameter:** | 8.3 |
| **Clad Diameter:** | 125 |
| **Primary Coating Material:** | 245 |
| **Secondary Coating Material:** | Engineering Thermoplastic |
| **Secondary Coating Diameter:** | 900 |

**Fiber Color Code Chart:**

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

| | |
|---|---|
| **Core-clad Offset:** | Acrylate |

### Inner Jacket

| | |
|---|---|
| **Inner Jacket Nominal Wall Thickness:** | 0.022 |

**Inner Jacket Color Code Chart:**

| Number | Color |
|---|---|
| 1 | Yellow |

### Outer Jacket

**Outer Jacket Material:**

| Outer Jacket Material |
|---|
| F-R PVC - Flame Retardant Polyvinyl Chloride |

| | |
|---|---|
| **Outer Jacket Nominal Wall Thickness:** | 0.035 |

**Outer Jacket Diameter:**

| Nom. Dia. (in.) |
|---|
| 0.265 |

| | |
|---|---|
| **Outer Jacket Color:** | Black |

### Strength Member

| | |
|---|---|
| **Strength Member Material:** | Aramid Yarn |

### Overall Cabling

| | |
|---|---|
| **Overall Nominal Diameter:** | 0.265 in. |

## Mechanical Characteristics (Overall)

| | |
|---|---|
| **Storage Temperature Range:** | -40°C To +80°C |
| **Operating Temperature Range:** | -40°C To +70°C |
| **Min. Bend Radius (Install)/Minor Axis:** | 5.300 in. |
| **Min. Bend Radius for Long Term Application:** | 4 in. |
| **Crush Resistance:** | 250 N/cm |
| **Impact Resistance:** | 2000 Impacts w/ 1.6 N-m |
| **Cyclic Flexing:** | 2000 Cycles min. |
| **Max. Load for Installation:** | 320 lbs. |

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

| | |
|---|---|
| **NEC/(UL) Specification:** | OFNP |
| **CEC/C(UL) Specification:** | OFN |
| **EU Directive 2000/53/EC (ELV):** | Yes |
| **EU Directive 2002/95/EC (RoHS):** | Yes |
| **EU RoHS Compliance Date (mm/dd/yyyy):** | 01/01/2006 |
| **EU Directive 2002/96/EC (WEEE):** | Yes |
| **EU Directive 2003/11/EC (BFR):** | Yes |
| **CA Prop 65 (CJ for Wire & Cable):** | Yes |
| **MII Order #39 (China RoHS):** | Yes |
| **Telecommunications Standards:** | 568B |
| **Other Specification:** | ITU G.652.d |

### Flame Test

| | |
|---|---|
| **C(UL) Flame Test:** | FT6 |

### Plenum/Non-Plenum

| | |
|---|---|
| **Plenum (Y/N):** | Yes |

## 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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