

# Product: FD1D008L9O

## Indoor/Outdoor Riser OM1 Distribution Tight Buffer 8f

### Product Description

FX Indoor/Outdoor OM1 Distribution Tight Buffer 8 Fibers LSZH Non-Unitized Orange Jacket

### Technical Specifications

| | |
|---|---|
| Part Number: | FD1D008L9O |
| Construction Type: | Distribution |

### Product Overview

| | |
|---|---|
| Print Legend: | BELDEN 8XOM1 IN/OUTDOOR DISTRIBUTION CABLE FD1D008L9O E95466(-PLANT ID) (UL) TYPE OFNR C(UL) OFNR --- FT4 --- ROHS (LOT NUMBER) (MMYYYY DATE CODE) (SEQUENTIAL MATERIAL) |
| Environmental Space: | Indoor/Outdoor |
| Suitable Applications: | Indoor / Outdoor |

### Construction

**Fiber Cable Construction**

| Fiber Type | Fiber Count |
|---|---|
| OM1 | 8 |

| | |
|---|---|
| Fiber Color Coding: | Blue, Orange, Green, Brown, Gray, White, Red, Black |

**Buffer Specification**

| Buffer Material | Buffer Diameter |
|---|---|
| Thermoplastic | 900 µm |

| | |
|---|---|
| Cable Core Water Blocking: | Waterblocking Aramid Yarns |

### SubUnit Specifications

| | |
|---|---|
| Fibers Per Subunit: | 8 |

### Jacket Specifications

| | |
|---|---|
| Number of Jackets: | Single Jacket |

**Outer Jacket Material**

| Material | Nominal Diameter |
|---|---|
| LSZH | 0.22 in (5.6 mm) |

| | |
|---|---|
| Color: | Orange |
| Number of Ripcords: | 1 |

### Optical Characteristics

| | |
|---|---|
| Effective Modal Bandwidth (EMB): | 220 MHz-km / 500 MHz-km |
| Fiber Core Diameter: | 62.5/125µm |
| Max Attenuation at 1300 nm: | 1.25 dB/km |
| Max Attenuation at 850 nm: | 3.5 dB/km |
| Wavelength: | 850 nm / 1300 nm |
| 10 Gigabit Ethernet Performance: | 33 m / 300 m |
| 1 Gigabit Ethernet Performance: | 275 m / 550 m |

| | |
|---|---|
| Min Overfilled Launch (OFL) Bandwidth: | 200 MHz-km / 500 MHz-km |

## Mechanical Characteristics

**Mechanical Tests**

| Description | Requirement/Value |
|---|---|
| Cable Min. Bend Radius Installation (Short Term) | 20x Cable OD |
| Cable Min. Bend Radius Operation (Long Term) | 10x Cable OD |
| Cable Max. Tensile Strength Installation (Short Term) | 67 N (300 lbf) |
| Cable Max. Tensile Strength Operation (Long Term) | 22 N (100 lbf) |

## Temperature Range

| | |
|---|---|
| Operating Temp Range: | -40C to +70C |
| Installation Temp Range: | -20C to +70C |
| Storage Temp Range: | -40C to +70C |

## Standards

| | |
|---|---|
| UL Rating/Flame Test: | Riser |
| CEC/C(UL) Compliance: | OFNR |
| TIA/EIA Compliance: | ANSI/ICEA S-104-696 |
| RoHS: | Yes |

## History

**Variants**

| Item # | Color | UPC |
|---|---|---|
| FD1D008L9O | Orange | 612825372950 |

| | |
|---|---|
| Update and Revision: | Revision Number: 0.58 Revision Date: 01-31-2020 |

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