

# Product: FDSD002L9Y

## Indoor/Outdoor Riser OS2 Distribution Tight Buffer 2f

### Product Description

FX Indoor/Outdoor OS2 Distribution Tight Buffer 2 Fibers LSZH Non-Unitized Yellow Jacket

### Technical Specifications

| | |
|---|---|
| Part Number: | FDSD002L9Y |
| Construction Type: | Distribution |

### Product Overview

| | |
|---|---|
| Print Legend: | BELDEN 2XOS2 IN/OUTDOOR DISTRIBUTION CABLE FDSD002L9Y 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 |
|---|---|
| OS2 | 2 |

| | |
|---|---|
| Fiber Color Coding: | Blue, Orange |

**Buffer Specification**

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

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

### SubUnit Specifications

| | |
|---|---|
| Fibers Per Subunit: | 2 |

### Jacket Specifications

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

**Outer Jacket Material**

| Material | Nominal Diameter |
|---|---|
| LSZH | 0.18 in (4.6 mm) |

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

### Optical Characteristics

| | |
|---|---|
| Mode Field Diameter: | 9.2 |
| Fiber Core Diameter: | 8.2/125µm |
| Max Attenuation at 1310 nm: | 0.5 dB/km |
| Max Attenuation at 1550 nm: | 0.5 dB/km |
| Wavelength: | 1310 nm / 1550 nm |
| 10 Gigabit Ethernet Performance: | 10,000 m / 40,000 m |

| | |
|---|---|
| 1 Gigabit Ethernet Performance: | 5,000 m / - |

## 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 |
|---|---|---|
| FDSD002L9Y | Yellow | 612825373094 |

| | |
|---|---|
| Update and Revision: | Revision Number: 0.188 Revision Date: 05-14-2020 |

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