



Product: [FSSH008NF](#)

Heavy Duty Loose Tube OS2 8F OSPUnitized Gel

Product Description

FX Outdoor Heavy Duty Loose Tube OS2 8 Fibers OSP Sub-Units(6F) Gel Black

Technical Specifications

Product Overview

| | |
|------------------------|--|
| Construction Type: | Heavy Duty Multi Loose Tube |
| Print Legend: | BELDEN 8XOS2 OUTDOOR LOOSE TUBE CABLE FSSH008NF(-PLANT ID) (UL) TYPE OFN C(UL) OFN--ROHS (LOT NUMBER) (MMYYYY DATE CODE) (SEQUENTIAL MATERIAL) |
| Environmental Space: | Outdoor |
| Suitable Applications: | Outdoor |

Construction

Fiber Cable Construction

| Fiber Type | Fiber Count |
|------------|-------------|
| OS2 | 8 |

| | |
|---------------------|-----------|
| Fiber Color Coding: | TIA-598-D |
|---------------------|-----------|

Buffer Specification

| Buffer Material |
|-------------------------|
| Loose tube - Gel-filled |

| | |
|---------------------------|-----------------|
| Central Strength Member: | GRP |
| Cable Core Waterblocking: | Waterblock Tape |
| Bulk Cable Weight: | 79 lbs/1000ft |
| Weight: | 79 kg |

SubUnit Specifications

| | |
|------------------------------|-------------------|
| Number of Subunit Positions: | 6 |
| Fibers Per Subunit: | 4 |
| Subunit Diameter: | 0.078 in (2.0 mm) |
| Subunit Waterblocking: | Gel Filled |

Jacket Specifications

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

Inner Jacket

| | |
|-----------|-------------------|
| Material: | PE - Polyethylene |
|-----------|-------------------|

Outer Jacket Specifications

Outer Jacket

| Material | Nominal Diameter |
|---------------|-------------------|
| Thermoplastic | 0.46 in (11.7 mm) |

| | |
|--------|-------|
| Color: | Black |
|--------|-------|

| | |
|---------------------|---|
| Number of Ripcords: | 2 |
|---------------------|---|

Optical Characteristics

| | |
|----------------------------------|---------------------|
| Fiber Core Diameter: | 8.2/125µm |
| Max. Attenuation at 1310 nm: | 0.40 dB/km |
| Max. Attenuation at 1550 nm: | 0.30 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

| | |
|-------------------|-----|
| Crush Resistance: | 220 |
|-------------------|-----|

Mechanical Tests

| Description | Requirement/Value |
|---|-------------------|
| Cable Min. Bend Radius Installation (Short Term) | 20x Cable OD |
| Cable Min. Bend Radius Operation (Long Term) | 15x Cable OD |
| Cable Max. Tensile Strength Installation (Short Term) | 135 N (600 lbf) |
| Cable Max. Tensile Strength Operation (Long Term) | 40 N (180 lbf) |
| Cable Impact Resistance | 4.4 N/cm |

Standards

| | |
|-----------------------|--------------------|
| UL Rating/Flame Test: | OSP |
| TIA/EIA Compliance: | ANSI/ICEA S-87-640 |
| RoHS: | Yes |

Related Part Numbers

Variants

| Item # | Color | Put-Up Type | UPC |
|-----------|-------|-------------|--------------|
| FSSH008NF | Black | Reel | 612825374091 |

History

| | |
|----------------------|---|
| Update and Revision: | Revision Number: 0.68 Revision Date: 04-08-2022 |
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