


# Product: FSSL012NG

## Outdoor Loose Tube OS2 12 Fibers

### Product Description

FX Outdoor Loose Tube OS2 12 Fibers OSP Sub-Units (12F) Gel Black

### Technical Specifications

#### Product Overview

| | |
|---|---|
| Suitable Applications: | Campus Area Network, Long Haul, Backbone |

#### Fiber Specifications

| | |
|---|---|
| Fiber Type: | OS2 |
| Fiber Core Diameter: | 8.2/125 µm |
| Fiber Diameter: | 250 µm |
| Fiber Count: | 12 |
| Fiber Color Coding: | TIA-598-D |

#### Cable Construction

| | |
|---|---|
| Number of Active Subunits: | 1 |
| Number of Fillers: | 4 |
| Fibers Per Subunit: | 12 |
| Subunit Waterblocking: | Gel Filled |
| Subunit Diameter: | 0.098 in (2.5 mm) |
| Central Strength Member: | GRP |
| Core Wrap: | Waterblocking Tape |
| Cable Core Waterblocking: | Waterblock Tape |

#### Inner Jacket Specifications

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

#### Outer Jacket Specifications

| | |
|---|---|
| Strength Member: | Waterblocking Aramid Yarns |
| Jacket Material: | PE - Polyethylene |
| Nom. Diameter: | 0.410 in (10.4 mm) |
| Color: | Black |
| Number of Ripcords: | 1 |

**Optical Characteristics**

| Wavelength | 1310 nm | 1550 nm |
|---|---|---|
| Max. Attenuation | 0.40 dB/km | 0.30 dB/km |
| Mode Field Diameter | 9.2 µm | 10.4 µm |
| 1 Gigabit Ethernet Performance | 5,000 m | -- |
| 10 Gigabit Ethernet Performance | 10,000 m | 40,000 m |

#### Mechanical Characteristics

| | |
|---|---|
| Min. Bend Radius During Installation: | 15x Cable OD |

| | |
|---|---|
| Min. Bend Radius During Operation: | 10x Cable OD |
| Max. Tensile Strength During Installation: | 2670 N (600 lbf) |
| Max. Tensile Strength During Operation: | 800 N (180 lbf) |
| Crush Resistance: | 220 N/cm |
| Bulk Cable Weight: | 47 lbs/kft (70 kg/km) |

## Temperature Range

| | |
|---|---|
| Installation Temperature Range: | -30C to +70C |
| Operating Temperature Range: | -40C to +70C |
| Storage Temperature Range: | -40C to +75C |

## Standards and Compliance

| | |
|---|---|
| Environmental Suitability: | Outdoor, Burial |
| Sustainability: | CA Prop 65, Product Lens™, Environmental Product Declaration (EPD) Available |
| ICEA Compliance: | S-87-640 |
| TIA/EIA Compliance: | ANSI/ICEA S-87-640 |

## History

| | |
|---|---|
| Update and Revision: | Revision Number: 0.83 Revision Date: 11-09-2022 |

## Part Numbers

**Variants**

| Item # | Color | Putup Type | UPC |
|---|---|---|---|
| FSSL012NG | Black | Reel | 612825374015 |

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