

# Product: FSSC012N0

## OUTDOOR CENTRAL LOOSE TUBE OS2 12

### Product Description

FX OUTDOOR CENTRAL LOOSE TUBE OS2 12 FIBERS OSP NON-UNITIZED BLACK

### Technical Specifications

#### Product Overview

| | |
|---|---|
| Product Category: | Central Loose Tube |
| Suitable Applications: | Extended Distance Horizontal & Backbone Data/Telco Network, Noisy Environment, Outdoor & Wet Locations, Aerial (Lashed) |

#### Fiber Specifications

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|---|---|
| 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: | 0 |
| Fibers Per Subunit: | 12 |
| Subunit Waterblocking: | Gel Filled |
| Subunit Diameter: | 0.150 in (3.8 mm) |
| Subunit Color: | Blue |
| Fiber SubUnit Strength Members: | Aramid Yarns |
| Core Wrap Material: | Waterblocking tape |
| Cable Core Water Blocking: | Gel Filled |

#### Outer Jacket Specifications

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|---|---|
| Strength Member: | Fiberglass Yarns |
| Jacket Material: | PE - Polyethylene |
| Nom. Diameter: | 0.315 in (8.0 mm) |
| Outer Jacket Color: | Black |
| Outer Jacket Ripcord: | 1 |

**Optical Characteristics**

| Wavelength | 953 nm | 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 | - | 5000 m | - |
| 10 Gigabit Ethernet Performance | | 10,000 m | 40,000 m |

#### Mechanical Characteristics

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|---|---|
| Minimum Bend Radius During Installation: | 15x Cable OD |
| Minimum 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: | 34 lbs/kft (51 kg/km) |

## Temperature Range

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|---|---|
| Installation Temperature Range: | -30C to +60C |
| Operating Temperature Range: | -40C to +70C |
| Storage Temperature Range: | -40C to +70C |

## Standards and Compliance

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|---|---|
| Environmental Suitability: | Outdoor |
| Sustainability: | CA Prop 65 |
| ICEA Compliance: | S-87-640 |
| TIA/EIA Compliance: | ANSI/ICEA S-87-640 |

## History

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|---|---|
| Update and Revision: | Revision Number: 0.272 Revision Date: 04-01-2024 |

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