



**Product:** [FSSL024ND](#)

Loose Tube OS2 24 Fibers OSP Dry Block

### Product Description

FX Outdoor Loose Tube OS2 24 Fibers OSP Sub-Units(12F) Dry 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:         | 24         |
| Fiber Color Coding:  | TIA-598-D  |

#### Cable Construction

|                            |                   |
|----------------------------|-------------------|
| Number of Active Subunits: | 2                 |
| Number of Fillers:         | 3                 |
| Fibers Per Subunit:        | 12                |
| Subunit Waterblocking:     | Gel Free          |
| Subunit Diameter:          | 0.098 in (2.5 mm) |
| Subunit Color:             | TIA-598-D         |
| Central Strength Member:   | GRP               |
| Cable Core Waterblocking:  | Waterblock Tape   |

#### Inner Jacket Specifications

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

#### Outer Jacket Specifications

|                     |                                |
|---------------------|--------------------------------|
| Strength Member:    | Waterblocking Fiberglass Yarns |
| Jacket Material:    | PE - Polyethylene              |
| Nom. Diameter:      | 0.386 in (9.8 mm)              |
| Color:              | Black                          |
| Number of Ripcords: | 1                              |

#### Optical Characteristics

| Wavelength                      | 1310 nm    | 1550 nm    |
|---------------------------------|------------|------------|
| Max. Attenuation                | 0.35 dB/km | 0.25 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:                         | 53 lbs/kft (79 kg/km) |

## Temperature Range

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

## Standards and Compliance

|                            |                                      |
|----------------------------|--------------------------------------|
| Environmental Suitability: | Outdoor, Sunlight Resistance, Burial |
| Sustainability:            | CA Prop 65                           |
| ICEA Compliance:           | S-87-640                             |
| TIA/EIA Compliance:        | ANSI/ICEA S-87-640                   |
| Telcordia Compliance:      | Telcordia GR-20                      |

## History

|                      |   |
|----------------------|---|
| Update and Revision: | Revision Number: 0.75 Revision Date: 11-09-2022 |
|----------------------|---|

## Part Numbers

### Variants

| Item #    | Color | Putup Type | UPC          |
|-----------|-------|------------|--------------|
| FSSL024ND | Black | Reel       | 612825399124 |

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