



**Product:** [FSSL144ND](#)

Loose Tube OS2 144 Fibers OSP Dry Block

**Product Description**  
FX Outdoor Loose Tube OS2 144 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:         | 144        |
| Fiber Color Coding:  | TIA-598-D  |

**Cable Construction**

|                            |                   |
|----------------------------|-------------------|
| Number of Active Subunits: | 12                |
| Fibers Per Subunit:        | 12                |
| Subunit Waterblocking:     | Gel Free          |
| Subunit Diameter:          | 0.098 in (2.5 mm) |
| Subunit Color:             | TIA-598-D         |
| Central Strength Member:   | Upjacketed 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:      | 0.597 in (15.2 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:                         | 112 lbs/kft (167 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          |
|-----------|-------|------------|--------------|
| FSSL144ND | Black | Reel       | 612825384540 |

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