



**Product:** [FSSL036ND](#) 

Loose Tube OS2 36 Fibers OSP Dry Block

## Product Description

FX Outdoor Loose Tube OS2 36 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 $\mu$ m |
| Fiber Diameter:      | 250 $\mu$ m     |
| Fiber Count:         | 36              |
| Fiber Color Coding:  | TIA-598-D       |

### Cable Construction

|                               |                 |
|-------------------------------|-----------------|
| Number of Active Subunits:    | 3               |
| Number of Fillers:            | 3               |
| Fibers Per Subunit:           | 12              |
| Subunit Waterblocking:        | Gel Free        |
| Central Strength Member Type: | GRP             |
| Cable Core Water Blocking:    | Waterblock Tape |

### Inner Jacket Specifications

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

### Outer Jacket Specifications

|                       |                            |
|-----------------------|----------------------------|
| Strength Member:      | Waterblocking Aramid Yarns |
| Jacket Material:      | PE - Polyethylene          |
| Nom. Diameter:        | 0.40 in (10.2 mm)          |
| Outer Jacket Color:   | Black                      |
| Outer Jacket Ripcord: | 1                          |

### Optical Characteristics

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

### Mechanical Characteristics

|                                            |                  |
|--------------------------------------------|------------------|
| 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:                      | 43 lbs/kft (64 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         |
| ICEA Compliance:           | S-87-640           |
| TIA/EIA Compliance:        | ANSI/ICEA S-87-640 |

History

|                      |                                                 |
|----------------------|-------------------------------------------------|
| Update and Revision: | Revision Number: 0.76 Revision Date: 09-07-2025 |
|----------------------|-------------------------------------------------|

Part Numbers

Variants

| Item #    | Color | Putup Type | UPC          |
|-----------|-------|------------|--------------|
| FSSL036ND | Black | Reel       | 612825384519 |

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