



**Product:** [FSSL012ND](#) 

Loose Tube OS2 12F OSP Unitized

## Product Description

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

## Technical Specifications

### Product Overview

Suitable Applications:	Campus Area Network, Long Haul, Backbone
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### Fiber Specifications

Fiber Type:	OS2
Fiber Core Diameter:	8.2/125 $\mu$ m
Fiber Diameter:	250 $\mu$ m
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 Free
Subunit Diameter:	0.098 in (2.5 mm)
Subunit Color:	TIA-598-D
Central Strength Member Type:	GRP
Cable Core Water Blocking:	Waterblock Tape

### Inner Jacket Specifications

Material:	PE - Polyethylene
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### Outer Jacket Specifications

Strength Member:	Waterblocking Fiberglass Yarns
Jacket Material:	PE - Polyethylene
Nom. Diameter:	0.386 in (9.8 mm)
Outer Jacket Color:	Black
Outer Jacket Ripcord:	1

### 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:	59 lbs/kft (88 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: 0.71 Revision Date: 09-07-2025
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## Part Numbers

### Variants

Item #	Color	Putup Type	UPC
FSSL012ND	Black	Reel	612825399117

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