



**Product:** [FSSL012NF](#)

## Outdoor Loose Tube OS2 12 Fibers

### Product Description

FX Outdoor Loose Tube OS2 12 Fibers OSP Sub-Units (6F) Gel 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 µm
Fiber Diameter:	250 µm
Fiber Count:	12
Fiber Color Coding:	TIA-598-D

#### Cable Construction

Number of Active Subunits:	2
Number of Fillers:	3
Fibers Per Subunit:	6
Subunit Waterblocking:	Gel Filled
Subunit Diameter:	0.078 in (2.0 mm)
Central Strength Member:	GRP
Cable Core Waterblocking:	Waterblock Tape

#### Inner Jacket Specifications

Material:	PE - Polyethylene
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#### Outer Jacket Specifications

Strength Member:	Waterblocking Aramid Yarns
Jacket Material:	PE - Polyethylene
Nom. Diameter:	0.364 in (9.2 mm)
Color:	Black
Number of Ripcords:	1

#### Optical Characteristics

Wavelength	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	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:	39 lbs/kft (58 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, Product Lens™, Environmental Product Declaration (EPD) Available
ICEA Compliance:	S-87-640
TIA/EIA Compliance:	ANSI/ICEA S-87-640

## History

Update and Revision:	Revision Number: 0.77 Revision Date: 05-31-2024
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