

**Product:** [FSSL144NG](#) 



Outdoor Loose Tube OS2 144 Fibers OSP Sub-Units (12F) Gel

## Product Description

FX Outdoor, Loose Tube, OS2, 144 Fibers, OSP, Sub-Units(12F) Gel, Black Jacket

## Technical Specifications

### Product Overview

Product Category:	Fiber Multi-Loose Tube Cable
Suitable Applications:	Campus Area Network, Long Haul, Backbone

### Fiber Specifications

Fiber Type:	OS2, G.657.A1, G.652.D
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 Filled
Subunit Diameter:	0.098 in (2.5 mm)
Subunit Color:	TIA-598-D
Central Strength Member Type:	GRP
Core Wrap Material:	Water block Tape

### Outer Jacket Specifications

Jacket Material:	PE - Polyethylene
Nom. Diameter:	0.598 in (15.2 mm)
Outer Jacket Color:	Black
Outer Jacket Ripcord:	1

### Optical Characteristics

Wavelength	1310 nm	1550 nm
Max. Attenuation	0.35 dB/km	0.25 dB/km
10 Gigabit Ethernet Performance	10,000 m	50,000 m
40 Gigabit Ethernet Performance	10,000 m	--
100 Gigabit Ethernet Performance	10,000 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:	119 lbs/kft (177 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
Sustainability:	Product Lens™, Environmental Product Declaration (EPD) Available
ICEA Compliance:	S-87-640
TIA/EIA Compliance:	568.3, 598-D
Telcordia Compliance:	Telcordia GR-20
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment)

## History

Update and Revision:	Revision Number: 0.91 Revision Date: 03-04-2026
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## Part Numbers

### Variants

Item #	Color	Putup Type	UPC
FSSL144NG	Black	Reel	612825372622

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