



**Product:** [FS3L012NG](#) 

Outdoor Loose Tube OM3 12 Fibers

## Product Description

FX Outdoor Loose Tube OM3 12 Fibers OSP Sub-Units (12F) Gel Black

## Technical Specifications

### Product Overview

Suitable Applications:	Outdoor, Campus Area Network, Backbone
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### Fiber Specifications

Fiber Type:	OM3
Fiber Core Diameter:	50/125 $\mu$ 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 Filled
Subunit Diameter:	0.098 in (2.5 mm)
Central Strength Member Type:	GRP
Core Wrap Material:	Waterblocking Tape
Cable Core Water Blocking:	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:	0.410 in (10.4 mm)
Outer Jacket Color:	Black
Outer Jacket Ripcord:	1

### Optical Characteristics

Wavelength	850 nm	1300 nm
Max. Attenuation	3.0 dB/km	1.0 dB/km
1 Gigabit Ethernet Performance	1000	550
10 Gigabit Ethernet Performance	300 m	--
Min. Effective Modal Bandwidth (EMB)	2000 MHz-km	--
Min. Overfilled Launch (OFL) Bandwidth	1500 MHz-km	500 MHz-km

### 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:	47 lbs/kft (70 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: 0.331 Revision Date: 09-07-2025
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## Part Numbers

### Variants

Item #	Color	Putup Type	UPC
FS3L012NG	Black	Reel	612825373889

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