



Product: [FSSH048NG](#) 

Heavy Duty Loose Tube OS2 48F OSP Unitized Gel

Product Description

FX Outdoor Heavy Duty Loose Tube OS2 48 Fibers OSP Sub-Units(12F) Gel Black

Technical Specifications

Product Overview

Suitable Applications:	Outdoor
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Fiber Specifications

Fiber Type:	OS2
Fiber Core Diameter:	8.2/125µm
Fiber Buffer Material:	Loose tube - Gel-filled
Fiber Count:	48
Fiber Color Coding:	TIA-598-D

Cable Construction

Number of Active Subunits:	4
Fibers Per Subunit:	12
Subunit Waterblocking:	Gel Filled
Subunit Diameter:	0.110 in (2.8 mm)
Central Strength Member Type:	Upjacketed GRP
Cable Core Water Blocking:	Waterblock Tape

Inner Jacket Specifications

Material:	PE - Polyethylene
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Outer Jacket Specifications

Jacket Material:	Thermoplastic
Nom. Diameter:	.54 (13.7)
Outer Jacket Color:	Black
Outer Jacket Ripcord:	2

Optical Characteristics

Wavelength	1310 nm	1550 nm
Max. Attenuation	0.40 dB/km	0.30 dB/km

Mechanical Characteristics

Minimum Bend Radius During Installation:	20x Cable OD
Minimum Bend Radius During Operation:	15x Cable OD
Max. Tensile Strength During Installation:	600 lbf (2700 N)
Max. Tensile Strength During Operation:	180 lbf (800 N)
Crush Resistance:	220
Bulk Cable Weight:	121 lbs/1000ft (180 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
TIA/EIA Compliance:	ANSI/ICEA S-87-640

History

Update and Revision:	Revision Number: 0.89 Revision Date: 09-07-2025
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Part Numbers

Variants

Item #	Color	Putup Type	UPC
FSSH048NG	Black	Reel	612825372714

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