



Product: [FSSH012ND](#) 

Outdoor Heavy Duty Loose Tube OS2 12 Fibers OSP Sub-Units (12F) Dry

Product Description

FX Outdoor, Heavy Duty Loose Tube, OS2, 12 Fibers, OSP, Sub-Units(12F) Dry, 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:	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
Core Wrap Material:	Water block Tape

Inner Jacket Specifications

Inner Jacket Strength Member:	Fiberglass Yarns
Material:	PE - Polyethylene
Nominal Diameter@InnerJacket1 (cnv):	0.347 in (8.8 mm)
Color:	Black
Number of Inner Jacket Ripcords:	1

Outer Jacket Specifications

Strength Member:	Fiberglass Yarns
Jacket Material:	PE - Polyethylene
Nom. Diameter:	0.477 in (12.1 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	--
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Mechanical Characteristics

Minimum Bend Radius During Installation:	25x 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:	68 lbs/kft (101 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
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: 0.5 Revision Date: 09-16-2026
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Part Numbers

Variants

Item #	Color	Putup Type
FSSH012ND	Black	Reel

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