



Product: [FSSH048ND](#)

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

Product Description

FX Outdoor, Heavy Duty Loose Tube, OS2, 48 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:	48
Fiber Color Coding:	TIA-598-D

Cable Construction

Number of Active Subunits:	4
Number of Fillers:	1
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:	Waterblock Tape

Inner Jacket Specifications

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:	Waterblocking 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

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:	72 lbs/kft (107 kg/km)

Temperature Range

Installation Temperature Range:	-10°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:	598-D
Telcordia Compliance:	Telcordia GR-20

History

Update and Revision:	Revision Number: 0.13 Revision Date: 09-18-2025
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