



**Product:** [FSSL1446D](#)

Outdoor Loose Tube OS2 144 Fibers OSP Corrugated Steel Tape Armor Sub-Units (12F) Dry

**Product Description**  
FX Outdoor, Loose Tube, OS2, 144 Fibers, OSP Corrugated Steel Tape Armor, 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 Core Diameter:	8.2/125 µm
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 Free
Subunit Diameter:	0.098 in (2.5 mm)
Subunit Color:	TIA-598-D
Central Strength Member:	Upjacketed GRP
Cable Core Waterblocking:	Waterblock Tape

**Armor Specifications**

Armor Type and Material:	CST - Corrugated Steel Tape
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**Outer Jacket Specifications**

Jacket Material:	PE - Polyethylene
Nom. Diameter:	0.730 in (18.5 mm)
Color:	Black
Number of Ripcords:	2

**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**

Min. Bend Radius During Installation:	20x Cable OD
Min. 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:	440 N/cm
Bulk Cable Weight:	195 lbs/kft (290 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, Burial
ICEA Compliance:	S-87-640
TIA/EIA Compliance:	598-D
Telcordia Compliance:	Telcordia GR-20
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment)

History

Update and Revision:	Revision Number: 0.9 Revision Date: 04-02-2025
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