



Product: [FSSL006NC](#) 

Loose Tube OS2 6 Fibers OSP Dry Block

Product Description

FX Outdoor Loose Tube OS2 6 Fibers OSP Sub-Units(6F) Dry Black

Technical Specifications

Product Overview

Suitable Applications:	Campus Area Network, Long Haul, Backbone
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Fiber Specifications

Fiber Type:	OS2
Fiber Core Diameter:	8.2/125 μm
Fiber Diameter:	250 μm
Fiber Count:	6
Fiber Color Coding:	TIA-598-D

Cable Construction

Number of Active Subunits:	1
Number of Fillers:	4
Fibers Per Subunit:	6
Subunit Waterblocking:	Gel Free
Central Strength Member Type:	GRP
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:	0.40 in (10.2 mm)
Outer Jacket Color:	Black
Outer Jacket Ripcord:	1

Optical Characteristics

Wavelength	1310 nm	1550 nm
Max. Attenuation	0.40 dB/km	0.30 dB/km
Mode Field Diameter	9.2 μm	10.4 μm
1 Gigabit Ethernet Performance	5,000 m	--
10 Gigabit Ethernet Performance	10,000 m	40,000 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:	43 lbs/kft (64 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: 0.77 Revision Date: 09-07-2025
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Part Numbers

Variants

Item #	Color	Putup Type	UPC
FSSL006NC	Black	Reel	612825384502

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