



Product: [FSSL012NF](#)

Outdoor Loose Tube OS2 12 Fibers

Product Description

FX Outdoor Loose Tube OS2 12 Fibers OSP Sub-Units (6F) Gel Black

Technical Specifications

Part Number:	FSSL012NF
Construction Type:	Multi Loose Tube

Product Overview

Print Legend:	BELDEN 12xOS2 OUTDOOR LOOSE TUBE CABLE FSSL012NF(-PLANT ID) (UL) TYPE OFN C(UL) OFN---ROHS (LOT NUMBER) (MMYYYY DATE CODE) (SEQUENTIAL MATERIAL)
Environmental Space:	Outdoor
Suitable Applications:	Outdoor

Construction

Fiber Cable Construction

Fiber Type	Fiber Count
OS2	12

Fiber Color Coding:	Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua
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Buffer Specification

Buffer Material
Loose tube - Gel-filled

Central Strength Member:	GRP
Cable Core Water Blocking:	Waterblocking Tape
Bulk Cable Weight:	59 lbs/1000ft
Weight:	59 kg

SubUnit Specifications

Number of Active Subunits:	2
Number of Subunit Positions:	6
Fibers Per Subunit:	6
SubUnit Diameter:	0.078 in (2.0 mm)
SubUnit Waterblocking:	Gel Filled

Jacket Specifications

Number of Jackets:	Single Jacket
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Inner Jacket

Material:	PE - Polyethylene
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Outer Jacket

Outer Jacket Material

Material	Nominal Diameter
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Thermoplastic	0.32 in (8.1 mm)
Color:	Black
Number of Ripcords:	2
Nominal Diameter:	.36 (9.1)

Optical Characteristics

Effective Modal Bandwidth (EMB):	22/-
Fiber Core Diameter:	8.2/125µm
Max Attenuation at 1310 nm:	0.4 dB/km
Max Attenuation at 1550 nm:	0.3 dB/km
Wavelength:	1310 nm / 1550 nm
10 Gigabit Ethernet Performance:	10,000 m / 40,000 m
1 Gigabit Ethernet Performance:	5,000 m / -

Mechanical Characteristics

Crush Resistance:	220
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Mechanical Tests

Description	Requirement/Value
Cable Min. Bend Radius Installation (Short Term)	20x Cable OD
Cable Min. Bend Radius Operation (Long Term)	15x Cable OD
Cable Max. Tensile Strength Installation (Short Term)	135 N (600 lbf)
Cable Max. Tensile Strength Operation (Long Term)	40 N (180 lbf)
Cable Impact Resistance	4.4 N/cm

Temperature Range

Operating Temp Range:	-40C to +70C
Installation Temp Range:	-30C to +70C
Storage Temp Range:	-40C to +75C

Standards

UL Rating/Flame Test:	OSP
TIA/EIA Compliance:	ANSI/ICEA S-87-640
RoHS:	Yes

History

Update and Revision:	Revision Number: 0.64 Revision Date: 07-11-2019
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