



**Product:** [FSSH002NF](#)

Heavy Duty Loose Tube OS2 2F OSPUnitized Gel

**Product Description**

FX Outdoor Heavy Duty Loose Tube OS2 2 Fibers OSP Sub-Units(6F) Gel Black

**Technical Specifications**

**Product Overview**

Construction Type:	Heavy Duty Multi Loose Tube
Print Legend:	BELDEN 2XOS2 OUTDOOR LOOSE TUBE CABLE FSSH002NF(-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	2

Fiber Color Coding:	Blue, Orange
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**Buffer Specification**

Buffer Material
Loose tube - Gel-filled

Central Strength Member:	GRP
Cable Core Water Blocking:	Waterblock Tape
Bulk Cable Weight:	79 lbs/1000ft
Weight:	79 kg

**SubUnit Specifications**

Number of Subunit Positions:	6
Fibers Per Subunit:	2
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 Specifications**

**Outer Jacket**

Material	Nominal Diameter
Thermoplastic	0.46 in (11.7 mm)

Color:	Black
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Number of Ripcords:	2
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## Optical Characteristics

Fiber Core Diameter:	8.2/125µm
Max. Attenuation at 1310 nm:	0.40 dB/km
Max. Attenuation at 1550 nm:	0.30 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

## Standards

UL Rating/Flame Test:	OSP
NEC/(UL) Compliance:	N/A
TIA/EIA Compliance:	ANSI/ICEA S-87-640
RoHS:	Yes

## Part Number

### Variants

Item #	Color	Put-Up Type	UPC
FSSH002NF	Black	Reel	612825372806

## History

Update and Revision:	Revision Number: 0.65 Revision Date: 12-15-2021
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