



**Product:** [FSSH1446G](#)

Heavy Duty Loose Tube OS2 144F OSP Armor Unitized

### Product Description

FX Outdoor Heavy Duty Loose Tube OS2 144 Fibers OSP Corrugated Steel Tape Armor Sub-Units(12F) Gel Black

### Technical Specifications

#### Product Overview

Construction Type:	Heavy Duty Multi Loose Tube
Print Legend:	BELDEN 144xOS2 OUTDOORARMORED LOOSE TUBE CABLE FSSH1446G(-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	144

Fiber Color Coding:	TIA-598-D
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##### Buffer Specification

Buffer Material
Loose tube - Gel-filled

Central Strength Member:	Upjacketed GRP
Cable Core Waterblocking:	Waterblock Tape
Bulk Cable Weight:	234 lbs/1000ft
Weight:	234 kg

#### SubUnit Specifications

Number of Active Subunits:	12
Number of Subunit Positions:	5
Fibers Per Subunit:	12
Subunit Diameter:	0.110 in (2.8 mm)
Subunit Waterblocking:	Gel Filled

#### Jacket Specifications

Number of Jackets:	Double Jacket
Type of Armor:	Corrugated Steel Tape

#### Inner Jacket

Number of Ripcords:	2
Color:	Black
Material:	PE - Polyethylene

#### Outer Jacket Specifications

## Outer Jacket

Material	Nominal Diameter
Thermoplastic	0.81 in (20.6 mm)

Color:	Black
Number of Ripcords:	2
Nom. Diameter:	.83 (21.2)

## 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:	440
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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 Temperature Range:	-40C to +70C
Installation Temperature Range:	-30C to +60C
Storage Temperature Range:	-40C to +75C

## Standards

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

## Related Part Numbers

### Variants

Item #	Color	Put-Up Type	UPC
FSSH1446G	Black	Reel	612825372585

## History

Update and Revision:	Revision Number: 0.84 Revision Date: 05-31-2024
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