



Product: [FSSH0246G](#)

Heavy Duty Loose Tube OS2 24F OSP Armor Unitized12

Product Description

FX Outdoor Heavy Duty Loose Tube OS2 24 Fibers OSP Corrugated Steel Tape Armor Sub-Units(12F) Gel Black Jacket

Technical Specifications

Product Overview

Construction Type:	Heavy Duty Multi Loose Tube
Print Legend:	BELDEN 24xOS2 OUTDOORARMORED LOOSE TUBE CABLE FSSH0246G-(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	24

Fiber Color Coding:	TIA-598-D
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Buffer Specification

Buffer Material
Loose tube - Gel-filled

Central Strength Member:	GRP
Cable Core Waterblocking:	Waterblock Tape
Bulk Cable Weight:	128 lbs/1000ft
Weight:	128 kg

SubUnit Specifications

Number of Active Subunits:	2
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	0.61 in (15.5 mm)

Color:	Black
Number of Ripcords:	2
Nom. Diameter:	.59 (15.)

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
FSSH0246G	Black	Reel	612825372295

History

Update and Revision:	Revision Number: 0.80 Revision Date: 05-31-2024
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