



Product: [FS1H0066F](#)

Outdoor Heavy Duty Loose Tube OM1 6 Fibers

Product Description

FX Outdoor Heavy Duty Loose Tube OM1 6 Fibers OSP Corrugated Steel Tape Armor Sub-Units (6F) Gel Black

Technical Specifications

Part Number:	FS1H0066F
Construction Type:	Multi Loose Tube

Product Overview

Print Legend:	BELDEN 6XOM1 OUTDOORARMORED LOOSE TUBE CABLE FS1H0066F(-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
OM1	6

Fiber Color Coding:	Blue, Orange, Green, Brown, Gray, White
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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:	128 lbs/1000ft
Weight:	128 kg

SubUnit Specifications

Number of Active Subunits:	1
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:	Double Jacket
Type of Armor:	Corrugated Steel Tape
Number of Inner Jacket Ripcords:	2
Color@InnerJacket1:	Black
Material@InnerJacket1:	PE

Outer Jacket Material

Material	Nominal Diameter
Thermoplastic	0.53 in (13.5 mm)

Outer Jacket Color:	Black
Number of Outer Jacket Ripcords:	2
OuterJacket1, Nominal Diameter:	.59 (15.)

Optical Characteristics

Effective Modal Bandwidth (EMB):	220 MHz-km / 500 MHz-km
Fiber Core Diameter:	62.5/125µm
Max Attenuation at 1300 nm:	1.0 dB/km
Max Attenuation at 850 nm:	3.25 dB/km
Wavelength:	850 nm / 1300 nm
10 Gigabit Ethernet Performance:	33 m / 300 m
1 Gigabit Ethernet Performance:	275 m / 550 m
Min Overfilled Launch (OFL) Bandwidth:	200 MHz-km / 500 MHz-km

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 Temp Range:	-40C to +70C
Installation Temp Range:	-30C to +60C
Storage Temp Range:	-40C to +75C

Standards

UL Rating/Flame Test:	OSP
Telecommunications Standards:	ANSI/ICEA S-87-640
RoHS:	Yes

History

Variants

Item #	Color	UPC
FS1H0066F	Black	612825371014

Update and Revision:	Revision Number: 0.106 Revision Date: 08-22-2019
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