Product: FS3H0186F

Outdoor Heavy Duty Loose Tube OM3 18 Fibers

Product Description

FX Outdoor Heavy Duty Loose Tube OM3 18 Fibers OSP Corrugated Steel Tape Armor Sub-Units (6F) Gel Black

Technical Specifications

Product Overview

Suitable Applications:	Campus Area Network, Long Haul, Backbone

Fiber Specifications

Fiber Type:	OM3
Fiber Core Diameter:	50/125 µm
Fiber Diameter:	250 µm
Fiber Count:	18
Fiber Color Coding:	TIA-598-D

Cable Construction

Number of Active Subunits:	3
Number of Fillers:	2
Fibers Per Subunit:	6
Subunit Waterblocking:	Gel Filled
Subunit Diameter:	0.078 in (2.0 mm)
Central Strength Member:	GRP
Core Wrap:	Nomex tape
Cable Core Waterblocking:	Waterblock Tape

Inner Jacket Specifications

Strength Member:	Aramid Yarns
Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.324 in (8.2 mm)
Color:	Black
Number of Ripcords:	2

Armor Specifications

Armor Type and Material:	CST - Corrugated Steel Tape

Outer Jacket Specifications

Jacket Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.530 in (13.5 mm)
Color:	Black
Number of Ripcords:	2

Optical Characteristics

Wavelength	850 nm	1300 nm

Max. Attenuation	3.0 dB/km	1.0 dB/km
1 Gigabit Ethernet Performance	1,000 m	550 m
10 Gigabit Ethernet Performance	300 m	-
Min. Effective Modal Bandwidth (EMB)	2000 MHz.km	-
Min. Overfilled Launch (OFL) Bandwidth	1500 MHz.km	500 MHz.km

Mechanical Characteristics

Min. Bend Radius During Installation:	20x Cable OD
Min. Bend Radius During Operation:	10x Cable OD
Max. Tensile Strength During Installation:	2670 N (600 lbf)
Max. Tensile Strength During Operation:	800 N (180 lbf)
Crush Resistance:	440 N/cm
Bulk Cable Weight:	101

Temperature Range

Installation Temperature Range:	-30°C to +60°C
Operating Temperature Range:	-40°C to +70°C
Storage Temperature Range:	-40°C to +70°C

Standards and Compliance

Environmental Suitability:	Outdoor
Sustainability:	CA Prop 65
ICEA Compliance:	S-87-640
TIA/EIA Compliance:	ANSI/ICEA S-87-640

History

Update and Revision:	Revision Number: 0.90 Revision Date: 11-09-2022

Part Numbers

Variants

Item #	Color	Putup Type	UPC
FS3H0186F	Black	Reel	612825388456

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