Product: FS3C00660

Outdoor Central Loose Tube OM3 6 Fibers Corrugated Steel Tape Armor

Product Description

FX Outdoor Central Loose Tube OM3 6 Fibers OSP Corrugated Steel Tape Armor Non-Unitized Black

Technical Specifications

Product Overview

Product Category:	Steel Armored Central Loose Tube
Suitable Applications:	Extended Distance Horizontal & Backbone Data/Telco Network, Noisy Environment, Outdoor & Wet Locations, Direct Burial, Rodent Proof

Fiber Specifications

Fiber Type:	OM3
Fiber Core Diameter:	50/125 µm
Fiber Diameter:	250 µm
Fiber Count:	6
Fiber Color Coding:	TIA-598-D

Cable Construction

Number of Active Subunits:	1
Number of Fillers:	0
Fibers Per Subunit:	6
Subunit Waterblocking:	Gel Filled
Subunit Diameter:	0.150 in (3.8 mm)
Subunit Color:	Blue
Subunit Strength Members:	Aramid Yarns
Core Wrap:	Waterblocking tape
Cable Core Waterblocking:	Gel Filled

Armor Specifications

Armor Type and Material:	CST - Corrugated Steel Tape

Outer Jacket Specifications

Strength Member:	Fiberglass Yarns
Jacket Material:	PE - Polyethylene
Nom. Diameter:	0.410 in (10.4 mm)
Color:	Black
Number of Ripcords:	1

Optical Characteristics

Wavelength	850 nm	953 nm	1300 nm
Max. Attenuation	3.0 dB/km		1.0 dB/km
1 Gigabit Ethernet Performance	1000 m	-	550 m
10 Gigabit Ethernet Performance	300 m	-	-
Min. Restricted Mode Launch		-	-
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:	72 lbs/kft (106 kg/km)

Temperature Range

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

Standards and Compliance

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

History

Update and Revision:	Revision Number: 0.122 Revision Date: 04-01-2024

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