



Product: [FS1C012N0](#) 

Outdoor Central Loose Tube OM1 12 Fibers

Product Description

FX Outdoor Central Loose Tube OM1 12 Fibers OSP Non-Unitized Black

Technical Specifications

Product Overview

Product Category:	Central Loose Tube
Suitable Applications:	Extended Distance Horizontal & Backbone Data/Telco Network, Noisy Environment, Outdoor & Wet Locations, Aerial (Lashed)

Fiber Specifications

Fiber Type:	OM1
Fiber Core Diameter:	62.5/125 μ m
Fiber Diameter:	250 μ m
Fiber Count:	12
Fiber Color Coding:	TIA-598-D

Cable Construction

Number of Active Subunits:	1
Number of Fillers:	0
Fibers Per Subunit:	12
Subunit Waterblocking:	Gel Filled
Subunit Diameter:	0.150 in (3.8 mm)
Subunit Color:	Blue
Subunit Strength Members:	Aramid Yarns
Core Wrap:	Waterblocking tape

Outer Jacket Specifications

Strength Member:	Fiberglass Yarns
Material:	PE - Polyethylene
Nom. Diameter:	0.315 in (8.0 mm)
Color:	Black
Number of Ripcords:	1

Optical Characteristics

Wavelength	850 nm	953 nm	1300 nm
Max. Attenuation	3.25 dB/km		1.0 dB/km
1 Gigabit Ethernet Performance	300 m	-	550 m
10 Gigabit Ethernet Performance	33 m	-	-
Min. Restricted Mode Launch	220 MHz.km	-	-
Min. Overfilled Launch (OFL) Bandwidth	200 MHz.km	-	500 MHz.km

Mechanical Characteristics

Min. Bend Radius During Installation:	15x Cable OD
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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:	220 N/cm
Bulk Cable Weight:	34 lbs/kft (51 kg/km)

Temperature Range

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

Standards and Compliance

Environmental Suitability:	Outdoor
Sustainability:	CA Prop 65, Product Lens™, Environmental Product Declaration (EPD) Available
ICEA Compliance:	S-87-640
TIA/EIA Compliance:	ANSI/ICEA S-87-640

History

Update and Revision:	Revision Number: 0.165 Revision Date: 12-15-2021
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