



**Product:** [FS1C008N0](#)

## Outdoor Central Loose Tube OM1 8 Fibers

### Product Description

FX Outdoor Central Loose Tube OM1 8 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 $\mu$ m
Fiber Diameter:	250 $\mu$ m
Fiber Count:	8
Fiber Color Coding:	TIA-598-D

#### Cable Construction

Number of Active Subunits:	1
Number of Fillers:	0
Fibers Per Subunit:	8
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

#### Outer Jacket Specifications

Strength Member:	Fiberglass Yarns
Jacket 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
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:	33 lbs/kft (49 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
Sustainability:	CA Prop 65
ICEA Compliance:	S-87-640
TIA/EIA Compliance:	ANSI/ICEA S-87-640

## History

Update and Revision:	Revision Number: 0.331 Revision Date: 04-01-2024
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## Part Numbers

### Variants

Item #	Color	UPC
FS1C008N0	Black	612825370260

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