

Product: FS1H024NG

Outdoor Heavy Duty Loose Tube OM1 24 Fibers

Product Description

FX Outdoor Heavy Duty Loose Tube OM1 24 Fibers OSP Sub-Units (12F) Gel Black

Technical Specifications

Product Overview

Suitable Applications:	Campus Area Network, Long Haul, Backbone

Fiber Specifications

Fiber Type:	OM1
Fiber Core Diameter:	62.5/125 µm
Fiber Diameter:	250 µm
Fiber Count:	24
Fiber Color Coding:	TIA-598-D

Cable Construction

Number of Active Subunits:	2
Number of Fillers:	3
Fibers Per Subunit:	12
Subunit Waterblocking:	Gel Filled
Subunit Diameter:	0.098 in (2.5 mm)
Central Strength Member:	GRP
Core Wrap:	Waterblocking Tape
Cable Core Waterblocking:	Waterblock Tape

Inner Jacket Specifications

Strength Member:	Waterblocking Aramid Yarns
Material:	PE - Polyethylene
Color:	Black
Number of Ripcords:	1

Outer Jacket Specifications

Strength Member:	Waterblocking Aramid Yarns
Jacket Material:	PE - Polyethylene
Nom. Diameter:	0.505 in (12.8 mm)
Color:	Black
Number of Ripcords:	1

Optical Characteristics

Wavelength	850 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:	67 lbs/kft (100 kg/km)

Temperature Range

Installation Temperature Range:	-30C to +70C
Operating Temperature Range:	-40C to +70C
Storage Temperature Range:	-40C to +75C

Standards and Compliance

Environmental Suitability:	Outdoor, Burial
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: 0.88 Revision Date: 11-09-2022

Part Numbers

Variants

Item #	Color	Putup Type	UPC
FS1H024NG	Black	Reel	612825371373

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