



Product: [FS4L144ND](#)

Outdoor Loose Tube OM4 144 Fibers OSP Sub-units(12F) Dry

Product Description

FX Outdoor, Loose Tube, OM4, 144 Fibers, OSP, Sub-Units(12F) Dry, Black Jacket

Technical Specifications

Product Overview

Product Category:	Fiber Multi-Loose Tube Cable
Suitable Applications:	Campus Area Network, Long Haul, Backbone

Fiber Specifications

Fiber Type:	OM4
Fiber Core Diameter:	50/125 µm
Fiber Diameter:	250 µm
Fiber Count:	144
Fiber Color Coding:	TIA-598-D

Cable Construction

Number of Active Subunits:	12
Subunit Waterblocking:	Gel Free
Subunit Diameter:	0.098 in (2.5 mm)
Subunit Color:	TIA-598-D
Central Strength Member Type:	GRP
Cable Core Water Blocking:	Waterblock Tape

Outer Jacket Specifications

Jacket Material:	PE - Polyethylene
Nom. Diameter:	0.598 in (15.2 mm)
Outer Jacket Color:	Black
Outer Jacket Ripcord:	1

Optical Characteristics

Wavelength	850 nm	1300 nm
Max. Attenuation	3.0 dB/km	1.0 dB/km
10 Gigabit Ethernet Performance	400 m	--
40 Gigabit Ethernet Performance	150 m	--
100 Gigabit Ethernet Performance	100 m	--
Min. Effective Modal Bandwidth (EMB)	4700 MHz-km	--
Min. Overfilled Launch (OFL) Bandwidth	3500 MHz-km	500 MHz-km

Mechanical Characteristics

Minimum Bend Radius During Installation:	15x Cable OD
Minimum 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:	101 lbs/kft (150 kg/km)

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, Sunlight Resistance
ICEA Compliance:	S-87-640
TIA/EIA Compliance:	568.3, 598-D
Telcordia Compliance:	Telcordia GR-20
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment)

History

Update and Revision:	Revision Number: 0.5 Revision Date: 09-23-2026
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Part Numbers

Variants

Item #	Color	Putup Type
FS4L144ND	Black	Reel

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