



Product: [FDSL024LDS](#) 

Indoor/Outdoor Loose Tube OS2 24 Fibers LSZH/OFNR Sub-Units(12F) Dry

Product Description

FX Indoor/Outdoor, Loose Tube, OS2, 24 Fibers, LSZH/OFNR, Sub-Units(12F) Dry, Gray Jacket

Technical Specifications

Product Overview

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

Fiber Specifications

Fiber Type:	OS2, G.657.A1, G.652.D
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 Free
Subunit Diameter:	0.098 in (2.5 mm)
Subunit Color:	TIA-598-D
Central Strength Member Type:	GRP

Outer Jacket Specifications

Strength Member:	Fiberglass Yarns
Jacket Material:	LSZH - Low Smoke Zero Halogen (Flame Retardant)
Nom. Diameter:	0.411 in (10.4 mm)
Outer Jacket Color:	Gray
Outer Jacket Ripcord:	1

Optical Characteristics

Wavelength	1310 nm	1550 nm
Max. Attenuation	0.35 dB/km	0.25 dB/km
10 Gigabit Ethernet Performance	10,000 m	50,000 m
40 Gigabit Ethernet Performance	10,000 m	--
100 Gigabit Ethernet Performance	10,000 m	--

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:	73 lbs/kft (109 kg/km)
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Temperature Range

Installation Temperature Range:	-10°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:	Indoor/Outdoor, Sunlight Resistance
Flammability / Reaction to Fire:	UL1666, UL 1685
NEC / UL Compliance:	OFNR-ST1
CEC / C(UL) Compliance:	FT4
ICEA Compliance:	S-104-696
TIA/EIA Compliance:	568.3, 598-D
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment)

History

Update and Revision:	Revision Number: 0.6 Revision Date: 05-07-2026
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Part Numbers

Variants

Item #	Color	Putup Type
FDSL024LDS	Gray	Reel

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