



**Product:** [FDSL024PD](#) 

Indoor/Outdoor Plenum Loose Tube OS2 24 Fibers Dry Block

## Product Description

FX Indoor/Outdoor Loose Tube OS2 24 Fibers OFNP Sub-Units(12F) Dry Black

## Technical Specifications

### Product Overview

Suitable Applications:	Campus Area Network, Backbone
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### Fiber Specifications

Fiber Type:	OS2
Fiber Core Diameter:	8.2/125 $\mu\text{m}$
Fiber Diameter:	250 $\mu\text{m}$
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:	0.110 in (2.8 mm)
Subunit Color:	TIA-598-D
Subunit Strength Members:	Waterblocking aramid yarns
Central Strength Member:	GRP
Core Wrap:	Waterblocking tape

### Outer Jacket Specifications

Strength Member:	Waterblocking aramid yarns
Material:	PVC - Polyvinyl Chloride
Nominal Diameter:	0.370 in (9.4 mm)
Number of Ripcords:	2

### Optical Characteristics

Wavelength	1310 nm	1550 nm
Max. Attenuation	0.35 dB/km	0.25 dB/km
Mode Field Diameter	9.2 $\mu\text{m}$	10.4 $\mu\text{m}$
1 Gigabit Ethernet Performance	5,000 m	-
10 Gigabit Ethernet Performance	10,000 m	40,000 m

### 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:	55 lbs/kft (82 kg/km)

## Temperature Range

Installation Temp Range:	-0°C to +60°C
Operating Temp Range:	-40°C to +70°C
Storage Temp Range:	-40°C to +70°C

## Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Sunlight Resistance
Sustainability:	CA Prop 65
Flammability / Fire Resistance:	OFNP, FT6
ICEA Compliance:	S-104-696
TIA/EIA Compliance:	ANSI/ICEA S-104-696

## History

Update and Revision:	Revision Number: 0.59 Revision Date: 02-16-2021
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