



**Product:** [FD1L036PD](#)

Indoor/Outdoor Plenum Loose Tube OM1 36F Unitized

**Product Description**

FX Indoor/Outdoor Loose Tube OM1 36 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:	OM1
Fiber Core Diameter:	62.5/125 µm
Fiber Diameter:	250 µm
Fiber Count:	36
Fiber Color Coding:	TIA-598-D

**Cable Construction**

Number of Active Subunits:	3
Number of Fillers:	2
Fibers Per Subunit:	12
Subunit Waterblocking:	Gel Free
Subunit Diameter:	0.098 in (2.5 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	850 nm	1300 nm
Max. Attenuation	3.5 dB/km	1 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:	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: 0.54 Revision Date: 12-21-2020
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