



Product: [FDSL048PD](#) 

Indoor/Outdoor Plenum Loose Tube OS2 48 Fibers Dry Block

Product Description

FX Indoor/Outdoor Loose Tube OS2 48 Fibers OFNP Sub-Units(12F) Dry Black

Technical Specifications

Product Overview

Construction Type:	Multi Loose Tube
Print Legend:	BELDEN 48xOS2 IN/OUTDOOR LOOSE TUBE CABLE FDSL048PD E95466(-PLANT ID) (UL) TYPE C(UL) ---FT6--- ROHS (LOT NUMBER) (MMYYYY DATE CODE) (SEQUENTIAL MATERIAL)
Environmental Space:	Indoor/Outdoor
Suitable Applications:	Indoor/Outdoor

Construction

Fiber Cable Construction

Fiber Type	Fiber Count
OS2	48

Fiber Color Coding:	Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua
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Buffer Specification

Buffer Material

Loose tube - Dry

Central Strength Member:	Upjacketed GRP
Cable Core Water Blocking:	Waterblocking Tape
Bulk Cable Weight:	55 lbs/1000ft
Weight:	55 kg

SubUnit Specifications

Number of Active Subunits:	4
Number of Subunit Positions:	5
Fibers Per Subunit:	12
Subunit Waterblocking:	Gel Free

Jacket Specifications

Number of Jackets:	Single Jacket
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Outer Jacket

Outer Jacket Material

Nominal Diameter

0.37 in (9.4 mm)

Number of Ripcords:	2
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Optical Characteristics

Fiber Core Diameter:	8.2/125µm
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Max Attenuation at 1310 nm:	0.4 dB/km
Max Attenuation at 1550 nm:	0.3 dB/km
Wavelength:	1310 nm / 1550 nm
10 Gigabit Ethernet Performance:	10,000 m / 40,000 m
1 Gigabit Ethernet Performance:	5,000 m / -

Mechanical Characteristics

Crush Resistance:	220
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Mechanical Tests

Description	Requirement/Value
Cable Min. Bend Radius Installation (Short Term)	20x Cable OD
Cable Min. Bend Radius Operation (Long Term)	15x Cable OD
Cable Impact Resistance	2.9 N/cm

Standards

UL Rating/Flame Test:	Plenum
UL Flammability:	OFNP
C (UL) US:	FT6
TIA/EIA Compliance:	ANSI/ICEA S-104-696
RoHS:	Yes

Part Number

Variants

Item #	Color	UPC
FDSL048PD	Black	612825377672

History

Update and Revision:	Revision Number: 0.60 Revision Date: 05-14-2020
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