



**Part Number:** FDSD012A9

Indoor/Outdoor Plenum OS2 Distribution Tight Buffer 12f

## Product Description

FX Indoor/Outdoor OS2 Distribution Tight Buffer 12 Fibers OFCP Aluminum Interlocked Armor Non-Unitized Black Jacket

## Technical Specifications

### Product Overview

Part Number:	FDSD012A9
Construction Type:	Distribution
Environmental Space:	Indoor/Outdoor
Suitable Applications:	Indoor / Outdoor

### Construction

#### Fiber Cable Construction

Fiber Type	Fiber Count
OS2	12

Fiber Type:	OS2
Fiber Count:	12
Fiber Color Coding:	Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua

#### Buffer Specification

Fiber Type	Buffer Material	Buffer Diameter
OS2	Thermoplastic	900 µm

Central Strength Member:	Upjacketed GRP
Cable Core Water Blocking:	Waterblocking Aramid Yarns

### SubUnit Specifications

Fibers Per Subunit:	12
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### Jacket Specifications

Number of Jackets:	Double Jacket
Type of Armor:	Interlocked Aluminum
Number of Inner Jacket Ripcords:	1
Color@InnerJacket1:	Black
Nominal Diameter@InnerJacket1:	0.23 in
Material@InnerJacket1:	PVC

#### Outer Jacket Material

Material	Nominal Diameter
PVC	0.51 in (13 mm)

Outer Jacket Color:	Black
Number of Outer Jacket Ripcords:	1

### Optical Characteristics

Mode Field Diameter:	9.2
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Fiber Core Diameter:	8.2/125µm
Max Attenuation at 1310 nm:	0.5 dB/km
Max Attenuation at 1550 nm:	0.5 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

Min Bend Radius During Installation:	20x Cable OD
Min Bend Radius During Operation:	10x Cable OD
Max Tensile Strength During Installation:	67 N (300 lbf)
Max Tensile Strength During Operation:	20 N (90 lbf)

Temperature Range

Operating Temp Range:	-40C to +70C
Installation Temp Range:	-20C to +70C
Storage Temp Range:	-40C to +70C

Standards

UL Rating/Flame Test:	Plenum
CEC/C(UL) Specification:	OFNP
Telecommunications Standards:	ANSI/ICEA S-104-696
RoHS:	Yes

History

Variants

Item #	Color
FDSD012A9	Black

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