



Product: [FSD012A9](#) 

Indoor Plenum OS2 Distribution Tight Buffer 12 Fibers

Product Description

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

Technical Specifications

Part Number:	FSD012A9
Construction Type:	Distribution

Product Overview

Print Legend:	BELDEN 12xOS2 INDOOR DISTRIBUTION CABLE FSD012A9 E95466(-PLANT ID) (UL) TYPE OFCP C(UL) OFCP --- FT6 --- ROHS (LOT NUMBER) (MMYYYY DATE CODE) (SEQUENTIAL MATERIAL)
Environmental Space:	Indoor
Suitable Applications:	Indoor

Construction

Fiber Cable Construction

Fiber Type	Fiber Count
OS2	12

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

Buffer Material	Buffer Diameter
Thermoplastic	900 µm

Central Strength Member:	Upjacketed GRP
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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:	Yellow
Nominal Diameter@InnerJacket1:	0.23 in
Material@InnerJacket1:	PVC

Outer Jacket Material

Material	Nominal Diameter
PVC	0.51 in (13 mm)

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

Optical Characteristics

Mode Field Diameter:	9.2
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

Mechanical Tests

Description	Requirement/Value
Cable Min. Bend Radius Installation (Short Term)	20x Cable OD
Cable Min. Bend Radius Operation (Long Term)	10x Cable OD
Cable Max. Tensile Strength Installation (Short Term)	67 N (300 lbf)
Cable Max. Tensile Strength Operation (Long Term)	20 N (90 lbf)

Temperature Range

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

Standards

UL Rating/Flame Test:	Plenum
CEC/C(UL) Specification:	OFNP
Telecommunications Standards:	ANSI/ICEA S-83-596
RoHS:	Yes

History

Variants

Item #	Color	UPC
FISD012A9	Yellow	612825368526

Update and Revision:	Revision Number: 0.67 Revision Date: 07-11-2019
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