



**Product:** [FISD012P9](#)

Indoor Plenum OS2 Distribution Tight Buffer 12 Fibers

### Product Description

FX Indoor OS2 Distribution Tight Buffer 12 Fibers OFNP Non-Unitized Yellow Jacket

### Technical Specifications

Part Number:	FISD012P9
Construction Type:	Distribution

### Product Overview

Print Legend:	BELDEN 12xOS2 INDOOR DISTRIBUTION CABLE FISD012P9 E95466(-PLANT ID) (UL) TYPE OFNP C(UL) OFNP --- 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:	Single Jacket
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#### Outer Jacket Material

Material	Nominal Diameter
PVC	0.23 in (5.8 mm)

Outer Jacket Color:	Yellow
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Number of Outer Jacket Ripcords:	1
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### 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)	34 N (150 lbf)
Cable Max. Tensile Strength Operation (Long Term)	17 N (75 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
FISD012P9	Yellow	612825370451

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