



**Product:** [FISD012A9W](#) 

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

## Product Description

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

## Technical Specifications

### Product Overview

Product Category:	Fiber Distribution Cable
Suitable Applications:	Premise Backbone

### Fiber Specifications

Fiber Type:	OS2, G.657.A1, G.652.D
Fiber Diameter:	250 µm
Fiber Buffer Diameter:	900 µm
Fiber Count:	12
Fiber Color Coding:	TIA-598-D

### Inner Jacket Specifications

Inner Jacket Strength Member:	Aramid Yarns
Material:	PVC - Polyvinyl Chloride
Nominal Diameter@InnerJacket1 (cnv):	0.236 in (6.0 mm)
Color:	Yellow
Number of Inner Jacket Ripcords:	1

### Armor Specifications

Armor Type and Material:	AIA - Aluminum Interlock Armor
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### Outer Jacket Specifications

Jacket Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.526 in (13.4 mm)
Outer Jacket Color:	White

### Optical Characteristics

Wavelength	1310 nm	1550 nm
Max. Attenuation	0.5 dB/km	0.5 dB/km
10 Gigabit Ethernet Performance	10,000 m	50,000 m
40 Gigabit Ethernet Performance	10,000 m	--
100 Gigabit Ethernet Performance	10,000 m	--

### Mechanical Characteristics

Minimum Bend Radius During Installation:	20x Cable OD
Minimum Bend Radius During Operation:	10x Cable OD
Max. Tensile Strength During Installation:	660 N (150 lbf)
Max. Tensile Strength During Operation:	200 N (45 lbf)
Crush Resistance:	440 N/cm

Bulk Cable Weight:	137 lbs/kft (204 kg/km)
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## Temperature Range

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

## Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	Product Lens™, Environmental Product Declaration (EPD) Available
Flammability / Reaction to Fire:	NFPA 262
NEC / UL Compliance:	OFCP
CEC / C(UL) Compliance:	FT6
ICEA Compliance:	S-83-596
TIA/EIA Compliance:	568.3, 598-D
Telcordia Compliance:	GR-409
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment)

## History

Update and Revision:	Revision Number: 0.5 Revision Date: 04-20-2026
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## Part Numbers

### Variants

Item #	Color	Putup Type	UPC
FISD012A9W	White	Reel	
FISD012A9	Yellow	Reel	612825368526

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