



Product: [FISX012W0](#)

Indoor Plenum OS2 OptiTuff™ Mini Fiber Cable 12 Fibers



Product Description

FX Indoor OS2 OptiTuff™ Mini Fiber Cable 12 Fibers OFNP Non-Unitized Yellow Jacket

Technical Specifications

Product Overview

Product Category:	OptiTuff™ Mini Fiber Cable
Suitable Applications:	Raised floor, Data Centers, POL/POLAN, FTTx

Fiber Specifications

Fiber Type:	OS2
Fiber Core Diameter:	8.2/125 µm
Fiber Diameter:	250 µm
Fiber Count:	12
Fiber Color Coding:	TIA-598-D

Armor Specifications

Armor Type and Material:	ADA - All-Dielectric Armor
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Outer Jacket Specifications

Jacket Material:	PVDF - Polyvinylidene Fluoride
Nom. Diameter:	0.157 in (4.0 mm)
Color:	Yellow

Optical Characteristics

Wavelength	1310 nm	1550 nm
Max. Attenuation	0.40 dB/km	0.30 dB/km
Mode Field Diameter	9.2 µm	10.4 µm
1 Gigabit Ethernet Performance	5,000 m	--
10 Gigabit Ethernet Performance	10,000 m	40,000 m

Mechanical Characteristics

Min. Bend Radius During Installation:	3.75x Cable OD
Min. Bend Radius During Operation:	3.75x Cable OD
Max. Tensile Strength During Installation:	100 N (25 lbf)
Max. Tensile Strength During Operation:	45 N (10 lbf)
Crush Resistance:	220 N/cm
Crush Resistance (Recoverable Signal +0.5 dB):	2500 N/cm
Bulk Cable Weight:	8 lbs/kft (12 kg/km)

Temperature Range

Installation Temperature Range:	-10°C to +60°C
Operating Temperature Range:	-20°C to +70°C
Storage Temperature Range:	-40°C to +70°C

Standards and Compliance

Environmental Suitability:	Indoor, Sunlight Resistance
Flammability / Reaction to Fire:	OFNP, FT6
ICEA Compliance:	S-83-596
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)

History

Update and Revision:	Revision Number: 0.101 Revision Date: 10-05-2023
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