



**Product:** [FISR096P2](#) 

Indoor OFNP OS2 Flexible Ribbon 96 Fibers

## Product Description

FX Indoor, OS2, Flexible Ribbon, 96 Fibers, OFNP, Sub-Units (12F), Yellow Jacket

## Technical Specifications

### Product Overview

Product Category:	Fiber Ribbon Cable
Suitable Applications:	Data Center, RAN, Horizontal Backbone, Premise Backbone

### Fiber Specifications

Fiber Type:	OS2
Fiber Core Diameter:	8.2/125 $\mu$ m
Fiber Diameter:	250 $\mu$ m
Fiber Count:	96
Fiber Color Coding:	TIA-598-D

### Cable Construction

Number of Active Subunits:	8
Fibers Per Subunit:	12
Subunit Diameter:	0.118 in (3.0 mm)
Subunit Color:	Yellow
Fiber SubUnit Strength Members:	Aramid Yarns
Central Strength Member Type:	Upjacketed GRP

### Outer Jacket Specifications

Strength Member:	Aramid Yarns
Jacket Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.563 in (14.3 mm)
Outer Jacket Color:	Yellow

### Optical Characteristics

Wavelength	1310 nm	1550 nm
Max. Attenuation	0.50 dB/km	0.50 dB/km
1 Gigabit Ethernet Performance	5,000 m	
10 Gigabit Ethernet Performance	10,000 m	

### Mechanical Characteristics

Minimum Bend Radius During Installation:	15x Cable OD
Minimum Bend Radius During Operation:	10x Cable OD
Max. Tensile Strength During Installation:	670 N (150 lbf)
Max. Tensile Strength During Operation:	200 N (45 lbf)
Bulk Cable Weight:	171 lbs/kft (255 kg/km)

### 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:	CA Prop 65
Flammability / Reaction to Fire:	OFNP, FT6
ICEA Compliance:	S-83-596
TIA/EIA Compliance:	EIA/TIA 568
Telcordia Compliance:	GR-409
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: 0.10 Revision Date: 11-06-2024
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