Product: FISR864RY

Indoor Flexible Ribbon OS2 864 Fibers OFNR Sub-Units_4.5 mm(72F)

Product Description

FX Indoor, Flexible Ribbon, OS2, 864 Fibers, OFNR, Sub-Units_4.5 mm(72F), 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, G.657.A1, G.652.D
Fiber Diameter:	250 µm
Fiber Count:	864
Fiber Color Coding:	TIA-598-D

Cable Construction

Number of Active Subunits:	12
Fibers Per Subunit:	72
Subunit Diameter:	0.177 in (4.5 mm)
Subunit Color:	Yellow
Fiber SubUnit Strength Members:	Aramid Yarn
Central Strength Member Type:	Upjacketed GRP

Outer Jacket Specifications

Strength Member:	Aramid Yarns
Jacket Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.925 in (23.5 mm)
Outer Jacket Color:	Yellow
Outer Jacket Ripcord:	2

Optical Characteristics

Wavelength	1310 nm	1550 nm
Max. Attenuation	0.50 dB/km	0.50 dB/km
10 Gigabit Ethernet Performance	10,000 m	50,000 m

Mechanical Characteristics

Minimum Bend Radius During Installation:	15x Cable OD
Minimum Bend Radius During Operation:	10x Cable OD
Max. Tensile Strength During Installation:	1320 N (300 lbf)
Max. Tensile Strength During Operation:	400 N (90 lbf)
Crush Resistance:	100 N/cm
Bulk Cable Weight:	339 lbs/kft (505 kg/km)

Temperature Range

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

Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	UL 1666, UL 1685, FT4
NEC / UL Compliance:	OFNR
CEC / C(UL) Compliance:	OFNR
ICEA Compliance:	S-83-596
TIA/EIA Compliance:	598-D
Telcordia Compliance:	GR-409
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment)

History

Update and Revision:	Revision Number: 0.26 Revision Date: 07-08-2025

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