



Product: FISR864FY ☑

Indoor Flexible Ribbon OS2 864 Fibers OFCR Aluminum Interlocked Armor Sub-Units 5.0mm (72F)

Product Description

FX Indoor, Flexible Ribbon, OS2, 864 Fibers, OFCR, Aluminum Interlocked Armor, Sub-Units 5.0 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:	0.197 in (5.0 mm)
Subunit Color:	Yellow
Fiber SubUnit Strength Members:	Aramid Yarns
Central Strength Member Type:	GRP

Inner Jacket Specifications

Inner Jacket Strength Member:	Aramid Yarns
Material:	PVC - Polyvinyl Chloride
Nominal Diameter@InnerJacket1 (cnv):	0.906 in (23.0 mm)
Color:	Yellow
Number of Inner Jacket Ripcords:	1

Armor Specifications

Armor Type and Material:	AIA - Aluminum Interlock Armor	

Outer Jacket Specifications

Jacket Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	1.354 in (34.4 mm)
Outer Jacket Color:	Yellow

Optical Characteristics

Wavelength	1310 nm	1550 nm
Max. Attenuation	0.40 dB/km	0.30 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:	10xCable OD
Max. Tensile Strength During Installation:	1320 N (300 lbf)
Max. Tensile Strength During Operation:	400 N (90 lbf)
Crush Resistance:	440 N/cm
Bulk Cable Weight:	580 lbs/kft (863 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

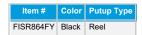
Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	UL 1666, UL 1685
NEC / UL Compliance:	OFCR-ST1
CEC / C(UL) Compliance:	OFCG-ST1
ICEA Compliance:	S-83-596
TIA/EIA Compliance:	568.3, 598-D
Telcordia Compliance:	GR-409

History

Update and Revision:	Revision Number: 0.4 Revision Date: 11-20-2025
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Part Numbers

Variants



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