



Product: [FISR144C2](#)

Indoor OFCR-LS OS2 Flexible Ribbon 144 Fibers 24F Subs

### Product Description

Indoor LSZH Aluminum Interlocked Armor OS2 Flexible Ribbon 144 Fibers 24F Subunit Yellow Jacket

### Technical Specifications

#### Product Overview

Suitable Applications:	Data Center, RAN, Horizontal Backbone, Premise Backbone
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#### Fiber Specifications

Fiber Type:	OS2
Fiber Core Diameter:	8.2/125µm µm
Fiber Count:	144
Fiber Color Coding:	TIA-598-D

#### Cable Construction

Number of Active Subunits:	12
Fibers Per Subunit:	12
Subunit Diameter:	0.118 in (3.0 mm)
Central Strength Member:	Upjacketed GRP

#### Inner Jacket Specifications

Strength Member:	Aramid Yarns
Material:	LSZH - Low Smoke Zero Halogen (Flame Retardant)

#### Armor Specifications

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

Strength Member:	Aramid Yarns
Jacket Material:	LSZH - Low Smoke Zero Halogen (Flame Retardant)
Nom. Diameter:	1.01 in (25.7 mm)
Color:	Yellow

#### Optical Characteristics

Wavelength	850 nm	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

Min. Bend Radius During Installation:	20x Cable OD
Min. 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)

Crush Resistance:	440 N/cm
Bulk Cable Weight:	218 lbs/kft (325 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:	OFNR, FT4
ICEA Compliance:	S-83-596
TIA/EIA Compliance:	EIA/TIA 568, GR-409-CORE

## History

Update and Revision:	Revision Number: 0.18 Revision Date: 11-14-2024
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