



Product: [FISR144A2](#)

Indoor OFCP OS2 Flexible Ribbon 144 Fibers 12F Subs

Product Description

Indoor Plenum Aluminum Interlocked Armor OS2 Flexible Ribbon 144 Fibers 12F 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:	PVC - Polyvinyl Chloride

Armor Specifications

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

Jacket Material:	PVC - Polyvinyl Chloride
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)
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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, GR-409-CORE

History

Update and Revision:	Revision Number: 0.22 Revision Date: 10-15-2024
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