



Product: [FDSR144R5](#)

Indoor/Outdoor OFNR OS2 Flexible Ribbon 144 Fibers 24F Subs

Product Description

Indoor/Outdoor Riser OS2 Flexible Ribbon 144 Fibers 24F Subunit Black 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:	6
Fibers Per Subunit:	24
Subunit Diameter:	0.118 in (3.0 mm)
Central Strength Member:	GRP

Outer Jacket Specifications

Strength Member:	Waterblocking Aramid Yarns
Jacket Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.50 in (12.7 mm)
Color:	Black

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:	15x Cable OD
Min. 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:	220 N/cm
Bulk Cable Weight:	107 lbs/kft (160 kg/km)

Temperature Range

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

Storage Temperature Range:	-40°C to +70°C
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Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Sunlight Resistance, Burial
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	OFNR, FT4
ICEA Compliance:	S-104-696
TIA/EIA Compliance:	EIA/TIA 568-A, GR-409-CORE, ICEA-S-104-696

History

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