BELDEN

Product: FDSR288F5Y ⧉

Indoor/Outdoor OFCR OS2 Flexible Ribbon 288 Fibers 24F Subs

Product Description

Indoor/Outdoor, Riser, Aluminum Interlocked Armor, OS2, Flexible Ribbon, 288 Fibers, 24F Subunit, 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
Fiber Core Diameter:	8.2/125µm µm
Fiber Count:	288
Fiber Color Coding:	TIA-598-D

Cable Construction

Number of Active Subunits:	12
Fibers Per Subunit:	24
Subunit Diameter:	0.118 in (3.0 mm)
Subunit Color:	Yellow
Subunit Strength Members:	Aramid Yarns
Central Strength Member:	Upjacketed GRP

Inner Jacket Specifications

Strength Member:	Aramid Yarns
Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.680 in (17.3 m)
Color:	Yellow

Armor Specifications

Armor Type and Material:	AIA - Aluminum Interlock Armor

Outer Jacket Specifications

Jacket Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	1.02 in (25.9 mm)
Color:	Yellow

Optical Characteristics

Wavelength	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	
Min. Effective Modal Bandwidth (EMB)	0.050 dB/km	

Mechanical Characteristics

Min. Bend Radius During Installation:	20x 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:	440 N/cm
Bulk Cable Weight:	350 lbs/kft (520 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/Outdoor, Sunlight Resistance
Flammability / Reaction to Fire:	UL 1666, UL 1685
NEC / UL Compliance:	OFCR
CEC / C(UL) Compliance:	FT4
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: 0.4 Revision Date: 01-28-2025