Belden



Product: FDSD024F9

Indoor/Outdoor Riser OS2 Distribution 24Fibers Aluminum Interlocked

Product Description

FX Indoor/Outdoor OS2 Distribution Tight Buffer 24 Fibers OFCR Aluminum Interlocked Armor Non-Unitized Black Jacket

Technical Specifications

Product Overview

Product Category:	Fiber Distribution Cable
Suitable Applications:	Premise Backbone

Fiber Specifications

Fiber Type:	OS2
Fiber Core Diameter:	8.2/125 µm
Fiber Buffer Material:	PVC - Polyvinyl Chloride
Fiber Buffer Diameter:	900 µm
Fiber Count:	24
Fiber Color Coding:	TIA-598-D

Cable Construction

Cable Core Water Blocking:	Waterblocking Aramid Yarns

Inner Jacket Specifications

Inner Jacket Strength Member:	Waterblocking Aramid Yarns
Material:	PVC - Polyvinyl Chloride
Nominal Diameter@InnerJacket1 (cnv):	0.325 in (8.3 mm)
Color:	Black
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:	0.600 in (15.2 mm)
Outer Jacket Color:	Black

Mechanical Characteristics

Minimum Bend Radius During Installation:	20x Cable OD
Minimum 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:	188 lbs/kft (280 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, Burial
Sustainability:	CA Prop 65, Product Lens™, Environmental Product Declaration (EPD) Available
Flammability / Reaction to Fire:	OFCR, FT4
ICEA Compliance:	S-104-696
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE), REACH: 2020-01-16

History

Update and Revision:	Revision Number: 0.99 Revision Date: 09-07-2025

Part Numbers

Variants

Item #	Color	Putup Type	UPC
FDSD024F9	Black	Reel	612825376897

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