Belden



Product: FDSD024A9

Indoor/Outdoor Plenum OS2 Distribution 24Fibers Aluminum Interlocked

Product Description

FX Indoor/Outdoor, OS2, Distribution Tight Buffer, 24 Fibers, OFCP, 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 Diameter:	900 µm
Fiber Count:	24
Fiber Color Coding:	TIA-598-D

Inner Jacket Specifications

Inner Jacket Strength Member:	Waterblocking Aramid Yarns
Material:	PVC - Polyvinyl Chloride
Nominal Diameter@InnerJacket1 (cnv):	0.330 in (8.4 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:	0.665 in (16.9 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:	150 lbs/kft (223 kg/km)

Temperature Range

Installation Temperature Range:	0°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
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	NFPA 262
NEC / UL Compliance:	OFCP
CEC / C(UL) Compliance:	FT6
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: 0.110 Revision Date: 09-07-2025

Part Numbers

Variants

Item #	Color
FDSD024A9A	Aqua
FDSD024A9E	Erika Violet
FDSD024A9L	Lime Green
FDSD024A9O	Orange
FDSD024A9Y	Yellow

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