Belden



Product: FDSM024P2

Indoor/Outdoor Plenum OS2 Mini-Distribution 24 Fibers 3mm SubUnit

Product Description

FX Indoor/Outdoor, OS2, Mini-Distribution, 24 Fibers, OFNP, 12F/Sub-Unit (3.0mm), Black Jacket

Technical Specifications

Product Overview

Product Category:	Fiber Mini Distribution Cable
Suitable Applications:	Data Center, RAN, Horizontal Backbone, Premise Backbone, Patching, Trunking

Fiber Specifications

Fiber Type:	OS2
Fiber Core Diameter:	8.2/125 µm
Fiber Diameter:	250 µm
Fiber Buffer Diameter:	900 µm
Fiber Count:	24
Fiber Color Coding:	TIA-598-D

Cable Construction

Number of Active Subunits:	2
Number of Fillers:	2
Fibers Per Subunit:	12
Subunit Diameter:	0.118 in (3.0 mm)
Subunit Color:	Yellow
Fiber SubUnit Strength Members:	Waterblocking Aramid Yarns
Central Strength Member Type:	GRP
Cable Core Water Blocking:	Waterblock Tape

Outer Jacket Specifications

Strength Member:	Waterblocking Aramid Yarns
Jacket Material:	Thermoplastic
Nom. Diameter:	0.421 in (10.7 mm)
Outer Jacket Color:	Black
Outer Jacket Ripcord:	1

Mechanical Characteristics

Minimum Bend Radius During Installation:	15x Cable OD
Minimum Bend Radius During Operation:	10x Cable OD
Max. Tensile Strength During Installation:	1800 N (405 lbf)
Max. Tensile Strength During Operation:	540 N (120 lbf)
Crush Resistance:	220 N/cm
Bulk Cable Weight:	65 lbs/kft

Temperature Range

Installation Temperature Range:	0°C to +60°C
Operating Temperature Range:	-20°C to +70°C
Storage Temperature Range:	-20°C to +70°C

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Sunlight Resistance, UV Resistance, Burial
Flammability / Reaction to Fire:	OFNP, UL 910, FT6
NEC / UL Compliance:	OFNP
CEC / C(UL) Compliance:	OFNP
ICEA Compliance:	S-104-696
TIA/EIA Compliance:	ANSI/ICEA 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)

History

Update and Revision:	Revision Number: 0.24 Revision Date: 09-07-2025

Part Numbers

Variants

Item #	Color
FDSM024P2A	Aqua
FDSM024P2E	Erika Violet
FDSM024P2L	Lime Green
FDSM024P2O	Orange
FDSM024P2Y	Yellow

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