



Product: [FDSD024P9](#) 

Indoor/Outdoor Plenum OS2 Distribution 24 Fibers

Product Description

FX Indoor/Outdoor OS2 Distribution Tight Buffer 24 Fibers OFNP 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 μ m
Fiber Buffer Material:	PVC - Polyvinyl Chloride
Fiber Buffer Diameter:	900 μ m
Fiber Count:	24
Fiber Color Coding:	TIA-598-D

Cable Construction

Cable Core Water Blocking:	Waterblocking Aramid Yarns
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Outer Jacket Specifications

Strength Member:	Waterblocking Aramid Yarns
Jacket Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.330 in (8.4 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:	1320 N (300 lbf)
Max. Tensile Strength During Operation:	400 N (90 lbf)
Crush Resistance:	220 N/cm
Bulk Cable Weight:	40 lbs/kft (60 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, Burial
Sustainability:	CA Prop 65, Product Lens™, Environmental Product Declaration (EPD) Available

Flammability / Reaction to Fire:	OFNP, FT6
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: 0.226 Revision Date: 09-07-2025
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Part Numbers

Variants

Item #	Color	Putup Type	UPC
FDSD024P9	Black	Reel	612825367376

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