Product: FDSM012A0Y ☒

Indoor/Outdoor Mini-Distribution OS2 12 Fibers OFCP Aluminum Interlocked Amor 4.8 mm (Double Jacket)

Product Description

FX Indoor/Outdoor, Mini-Distribution, OS2, 12 Fibers, OFCP, Aluminum Interlocked Armor, 4.8 mm (Double Jacket), Yellow 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, G.657.A1, G.652.D
Fiber Diameter:	250 µm
Fiber Count:	12
Fiber Color Coding:	TIA-598-D

Cable Construction

Number of Active Subunits:	1
Fibers Per Subunit:	12
Subunit Diameter:	0.130 in (3.3 mm)
Subunit Color:	Yellow
Subunit Strength Members:	Waterblocking Aramid Yarn

Inner Jacket Specifications

Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.265 IN (6.7 mm)
Color:	Yellow
Number of Ripcords:	1

Armor Specifications

Armor Type and Material:	AIA - Aluminum Interlock Armor

Outer Jacket Specifications

Jacket Material:	PVDF - Polyvinylidene Fluoride
Nom. Diameter:	0.551 in (14.1 mm)
Color:	Yellow

Optical Characteristics

Wavelength	1310 nm	1550 nm
Max. Attenuation	0.5 dB/km	0.5 dB/km
10 Gigabit Ethernet Performance	10,000 m	50,000 m

Mechanical Characteristics

Min. Bend Radius During Installation:	20x Cable OD
Min. Bend Radius During Operation:	10x Cable OD

Max. Tensile Strength During Installation:	660 N (150 lbf)
Max. Tensile Strength During Operation:	200 N (45 lbf)
Crush Resistance:	440 N/cm
Bulk Cable Weight:	158 lbs/kft (236 kg/km)

Temperature Range

Installation Temperature Range:	0°C to +60°C
Operating Temperature Range:	-20°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:	NFPA 262, FT6
NEC / UL Compliance:	OFCP
CEC / C(UL) Compliance:	OFCP
ICEA Compliance:	S-104-696
TIA/EIA Compliance:	598-D
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment)

History

Update and Revision:	Revision Number: 0.6 Revision Date: 02-21-2025

Part Numbers

Variants

Item #	Color
FDSM024A0A	Aqua
FDSM024A0E	Erika Violet
FDSM024A0L	Lime Green
FDSM024A0O	Orange
FDSM024A0Y	Yellow