Belden

Product: FISM012A2

Indoor Plenum OS2 Mini-Distribution 12 Fibers Aluminium Interlocked

Product Description

FX Indoor, OS2, Mini-Distribution, 12 Fibers, OFCP, Aluminum Interlocked Armor, Sub-Unit (3.0mm), 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
Fiber Core Diameter:	8.2/125 µm
Fiber Diameter:	250 µm
Fiber Count:	12
Fiber Color Coding:	TIA-598-D

Inner Jacket Specifications

Material:	PVC - Polyvinyl Chloride
Nominal Diameter@InnerJacket1 (cnv):	0.190 in (4.8 mm)
Color:	Yellow

Armor Specifications

Armor Type and Material:	AIA - Aluminum Interlock Armor

Outer Jacket Specifications

Jacket Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.480 in (12.2 mm)
Outer Jacket Color:	Yellow

Mechanical Characteristics

Minimum Bend Radius During Installation:	20x Cable OD
Minimum 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:	118 lbs/1000ft (176 kg/km)

Temperature Range

Installation Temperature Range:	0°C to +60°C
Operating Temperature Range:	0°C to +70°C
Storage Temperature Range:	-40°C to +70°C

Standards and Compliance

Environmental Suitability:	Indoor

Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	OFCP, FT6
NEC / UL Compliance:	OFCP
CEC / C(UL) Compliance:	OFCP
ICEA Compliance:	S-83-596
TIA/EIA Compliance:	ANSI/ICEA S-83-596
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: 0.97 Revision Date: 09-07-2025

Part Numbers

Variants

Item #	Color	Putup Type
FISM012A2	Yellow	Reel

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