Belden



Product: FISM144A1

Indoor Plenum OS2 Mini-Distribution 144F Armor 2mm SubUnits

Product Description

FX Indoor OS2 Mini-Distribution 144 Fibers OFCP Aluminum Interlocked Armor Sub-Units (2.0MM) Yellow Jacket

Technical Specifications

Product Overview

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:	144
Fiber Color Coding:	TIA-598-D

Cable Construction

Number of Active Subunits:	12
Fibers Per Subunit:	12
Subunit Diameter:	0.078 in (2.0 mm)
Fiber SubUnit Strength Members:	Aramid yarns
Central Strength Member Type:	Upjacketed GRP

Inner Jacket Specifications

Inner Jacket Strength Member:	Aramid Yarns
Material:	PVC - Polyvinyl Chloride
Color:	Yellow
Number of Inner Jacket Ripcords:	2

Armor Specifications

Armor Type and Material:	AIA - Aluminum Interlock Armor

Outer Jacket Specifications

Jacket Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.723 (18.4)
Outer Jacket Color:	Yellow
Outer Jacket Ripcord:	2

Mechanical Characteristics

Minimum Bend Radius During Installation:	20x Cable OD
Minimum Bend Radius During Operation:	15x Cable OD
Max. Tensile Strength During Installation:	670 N (150 lbf)
Max. Tensile Strength During Operation:	200 N (45 lbf)
Crush Resistance:	440 N/cm

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
ICEA Compliance:	S-83-596
TIA/EIA Compliance:	ANSI/ICEA S-83-596

History

Update and Revision:	Revision Number: 0.88 Revision Date: 09-07-2025

Part Numbers

Variants

Item #	Color	Putup Type	UPC
FISM144A1	Yellow	Reel	612825287162

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