Belden

Product: FISM048L2

Indoor Riser OS2 Mini-Distribution 48F

Product Description

Mini-Distribution Fiber Cable, Indoor, OS2, Singlemode, 48 Fibers, LSZH/Riser (OFNR), 3.0mm

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:	48
Fiber Color Coding:	TIA-598-D

Cable Construction

Number of Active Subunits:	4
Fibers Per Subunit:	12
Subunit Diameter:	0.118 in (3.0 mm)
Fiber SubUnit Strength Members:	Aramid yarns
Central Strength Member Type:	GRP

Outer Jacket Specifications

Strength Member:	Aramid Yarns
Jacket Material:	LSZH - Low Smoke Zero Halogen (Flame Retardant)
Nom. Diameter:	0.270 in (7.0 mm)
Outer Jacket Color:	Yellow
Outer Jacket Ripcord:	2

Mechanical Characteristics

Minimum Bend Radius During Installation:	15x Cable OD
Minimum Bend Radius During Operation:	10x Cable OD
Max. Tensile Strength During Installation:	670 N (150 lbf)
Max. Tensile Strength During Operation:	200 N (45 lbf)
Crush Resistance:	110 N/cm
Bulk Cable Weight:	33 lbs/kft (49 kg/km)

Temperature Range

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

Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	OFNR, FT4
ICEA Compliance:	S-83-596
TIA/EIA Compliance:	ANSI/ICEA S-83-596

History

Update and Revision:	Revision Number: 0.73 Revision Date: 09-07-2025

Part Numbers

Variants

Item #	Color	Putup Type	UPC
FISM048L2	Yellow	Reel	612825287087

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