Belden

Product: FI3B018RB

Indoor Riser OM3 Breakout 18F 2mm Sub-Units Aqua

Product Description

FX Indoor OM3 Breakout 18 Fibers OFNR Sub-Units (2.0MM) Aqua Jacket

Technical Specifications

Product Overview

Suitable Applications:	Horizontal Backbone

Fiber Specifications

Fiber Type:	OM3
Fiber Core Diameter:	50/125µm µm
Fiber Diameter:	250 µm
Fiber Buffer Material:	PVC - Polyvinyl Chloride
Fiber Buffer Diameter:	900 µm µm
Fiber Count:	18
Fiber Color Coding:	TIA-598-D

Cable Construction

Number of Active Subunits:	18
Fibers Per Subunit:	1
Subunit Diameter:	0.078 in (2.0 mm)
Fiber SubUnit Strength Members:	Aramid yarns
Central Strength Member Type:	Upjacketed GRP
Core Wrap Material:	Nomex Tape

Outer Jacket Specifications

Strength Member:	Aramid Yarns
Jacket Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.514 in (13.1 mm)
Outer Jacket Color:	Aqua
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:	2670 N (600 lbf)
Max. Tensile Strength During Operation:	800 N (180 lbf)
Crush Resistance:	100 N/cm
Bulk Cable Weight:	35 lbs/kft (53 kg/km)

Temperature Range

Installation Temperature Range:	-10°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
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: 0.77 Revision Date: 09-07-2025

Part Numbers

Variants

Item #	Color	Putup Type	UPC
FI3B018RB	Aqua	Reel	612825379669

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