



Product: [FI4B012PBA](#)

Indoor Plenum OM4 Breakout 12F 2mm Sub-Units Aqua

Product Description

Indoor OM4 Breakout 12 Fibers OFNP Sub-Units (2.0mm) Aqua Jacket

Technical Specifications

Product Overview

Suitable Applications:	Horizontal Backbone
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Fiber Specifications

Fiber Type:	OM4
Fiber Core Diameter:	50/125µm µm
Fiber Diameter:	250 µm
Buffer Material:	PVC - Polyvinyl Chloride
Buffer Diameter:	900 µm µm
Fiber Count:	12
Fiber Color Coding:	TIA-598-D

Cable Construction

Number of Active Subunits:	12
Fibers Per Subunit:	1
Subunit Diameter:	0.078 in (2.0 mm)
Subunit Strength Members:	Aramid yarns
Central Strength Member:	Upjacketed GRP
Core Wrap:	Nomex Tape

Outer Jacket Specifications

Strength Member:	Aramid Yarns
Jacket Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.416 in (10.6 mm)
Color:	Aqua
Number of Ripcords:	2

Optical Characteristics

Wavelength	850 nm	1300 nm
Max. Attenuation	3.0 dB/km	1.0 dB/km
1 Gigabit Ethernet Performance	1100 m	550 m
10 Gigabit Ethernet Performance	550 m	--
Min. Effective Modal Bandwidth (EMB)	4700 MHz.km	--
Min. Overfilled Launch (OFL) Bandwidth	3500 MHz.km	500 MHz.km

Mechanical Characteristics

Min. Bend Radius During Installation:	15x Cable OD
Min. Bend Radius During Operation:	10x Cable OD

Max. Tensile Strength During Installation:	1330 N (300 lbf)
Max. Tensile Strength During Operation:	400 N (90 lbf)
Crush Resistance:	100 N/cm
Bulk Cable Weight:	21 lbs/kft (32 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, Product Lens™
Flammability / Reaction to Fire:	OFNP, FT6
ICEA Compliance:	S-83-596
TIA/EIA Compliance:	ANSI/ICEA S-83-596

History

Update and Revision:	Revision Number: 0.84 Revision Date: 05-31-2024
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Part Numbers

Variants

Item #	Color	Putup Type	UPC
F14B012PBA	Aqua	Reel	612825369660

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