



Product: [FI4D096AKA](#)

Indoor Plenum OM4 Distribution 96Fibers Aluminum Interlocked

Product Description

FX Indoor OM4 Distribution Tight Buffer 96 Fibers OFCP Aluminum Interlocked Armor Sub-Units(12F) Aqua Jacket

Technical Specifications

Product Overview

Suitable Applications:	Premise Backbone
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Fiber Specifications

Fiber Type:	OM4
Fiber Core Diameter:	50/125 μm
Buffer Material:	PVC - Polyvinyl Chloride
Buffer Diameter:	900 μm
Fiber Count:	96
Fiber Color Coding:	TIA-598-D

Cable Construction

Number of Active Subunits:	8
Fibers Per Subunit:	12
Subunit Waterblocking:	no
Subunit Diameter:	0.220 in (5.6 mm)
Subunit Color:	Aqua
Subunit Strength Members:	Aramid yarns
Central Strength Member:	Upjacketed GRP
Core Wrap:	Nomex tape

Inner Jacket Specifications

Material:	PVC - Polyvinyl Chloride
Nominal Diameter:	0.867 in (22.0 mm)
Color:	Aqua
Number of Ripcords:	1

Armor Specifications

Armor Type and Material:	AIA - Aluminum Interlock Armor
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Outer Jacket Specifications

Material:	PVC - Polyvinyl Chloride
Nominal Diameter:	1.230 in (31.2 mm)
Color:	Aqua

Optical Characteristics

Wavelength	850 nm	1300 nm
Max. Attenuation	3.0 dB/km	1.0 dB/km



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:	20x Cable OD
Min Bend Radius During Operation:	10x Cable OD
Max Tensile Strength During Installation:	1320 N (300 lbf)
Max Tensile Strength During Operation:	400 N (90 lbf)
Crush Resistance:	440 N/cm
Bulk Cable Weight:	440 lbs/kft (655 kg/km)

Temperature Range

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

Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65, Product Lens™
Flammability / Fire Resistance:	OFCP, FT6
ICEA Compliance:	S-83-596
European Directive Compliance:	EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE), REACH: 2020-01-16

History

Update and Revision:	Revision Number: 0.78 Revision Date: 08-31-2020
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