



Product: [FI2D096AK](#)

Indoor Plenum OM2 Distribution 96Fibers Aluminum Interlocked

Product Description

FX Indoor OM2 Distribution Tight Buffer 96 Fibers OFCP Aluminum Interlocked Armor Sub-Units(12F) Orange Jacket

Technical Specifications

Product Overview

Product Category:	Fiber Distribution Cable
Suitable Applications:	Premise Backbone

Fiber Specifications

Fiber Type:	OM2
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 Diameter:	0.220 in (5.6 mm)
Subunit Color:	Orange
Subunit Strength Members:	Aramid yarns
Central Strength Member:	Upjacketed GRP
Core Wrap:	Nomex tape

Inner Jacket Specifications

Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.867 in (22.0 mm)
Color:	Orange
Number of Ripcords:	1

Armor Specifications

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

Jacket Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	1.230 in (31.2 mm)
Color:	Orange

Optical Characteristics

Wavelength	850 nm	1300 nm
Max. Attenuation	3.5 dB/km	1.25 dB/km
1 Gigabit Ethernet Performance	600 m	600 m

10 Gigabit Ethernet Performance	82 m	--
Min. Restricted Mode Launch	950 MHz.km	500 MHz.km
Min. Overfilled Launch (OFL) Bandwidth	700 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 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:	OFCP, FT6
ICEA Compliance:	S-83-596
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE), REACH: 2020-01-16

History

Update and Revision:	Revision Number: 0.86 Revision Date: 02-03-2025
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Part Numbers

Variants

Item #	Color	Putup Type	UPC
F12D096AK	Orange	Reel	612825368175

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