



**Part Number:** FI1D072AK

Indoor Plenum OM1 Distribution 72F Armor Unitized

**Product Description**

FX Indoor OM1 Distribution Tight Buffer 72 Fibers OFCP Aluminum Interlocked Armor Sub-Units(12F) Orange Jacket

**Technical Specifications**

**Product Overview**

Part Number:	FI1D072AK
Construction Type:	Distribution
Environmental Space:	Indoor
Suitable Applications:	Indoor

**Construction**

**Fiber Cable Construction**

Fiber Type	Fiber Count
OM1	72
Fiber Type:	OM1
Fiber Count:	72
Fiber Color Coding:	Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua

**Buffer Specification**

Buffer Material	Buffer Diameter
Thermoplastic	900 µm
Central Strength Member:	Upjacketed GRP

**SubUnit Specifications**

Number of Active Subunits:	6
Number of Subunit Positions:	6
Fibers Per Subunit:	12
SubUnit Diameter:	0.220 in (5.6 mm)
SubUnit Waterblocking:	no

**Jacket Specifications**

Number of Jackets:	Double Jacket
Type of Armor:	Interlocked Aluminum
Number of Inner Jacket Ripcords:	1
Color@InnerJacket1:	Orange
Nominal Diameter@InnerJacket1:	0.75 in
Material@InnerJacket1:	PVC

**Outer Jacket Material**

Material	Nominal Diameter
PVC	1.01 in (25.7 mm)
Outer Jacket Color:	Orange

Number of Outer Jacket Ripcords:	1
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## Optical Characteristics

Effective Modal Bandwidth (EMB):	220 MHz-km / 500 MHz-km
Fiber Core Diameter:	62.5/125µm
Max Attenuation at 1300 nm:	1.25 dB/km
Max Attenuation at 850 nm:	3.5 dB/km
Wavelength:	850 nm / 1300 nm
10 Gigabit Ethernet Performance:	33 m / 300 m
1 Gigabit Ethernet Performance:	275 m / 550 m
Min Overfilled Launch (OFL) Bandwidth:	200 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:	135 N (600 lbf)
Max Tensile Strength During Operation:	45 N (200 lbf)

## Temperature Range

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

## Standards

UL Rating/Flame Test:	Plenum
CEC/C(UL) Specification:	OFNP
Telecommunications Standards:	ANSI/ICEA S-83-596
RoHS:	Yes

## History

### Variants

Item #	Color	UPC
F11D072AK	Orange	612825368281

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