



**Part Number: FI3D048PK**

**Indoor Plenum OM3 Distribution Tight Buffer 48 Fibers**

**Product Description**

FX Indoor OM3 Distribution Tight Buffer 48 Fibers OFNP Sub-Units (12F) Aqua Jacket

**Technical Specifications**

**Product Overview**

Part Number:	FI3D048PK
Construction Type:	Distribution
Environmental Space:	Indoor
Suitable Applications:	Indoor

**Construction**

**Fiber Cable Construction**

Fiber Type	Fiber Count
OM3	48

Fiber Type:	OM3
Fiber Count:	48
Fiber Color Coding:	Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua

**Buffer Specification**

Fiber Type	Buffer Material	Buffer Diameter
OM3	Thermoplastic	900 µm

Central Strength Member:	Upjacketed GRP
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**SubUnit Specifications**

Number of Active Subunits:	4
Number of Subunit Positions:	4
Fibers Per Subunit:	12
SubUnit Diameter:	0.220 in (5.6 mm)
SubUnit Waterblocking:	no

**Jacket Specifications**

Number of Jackets:	Single Jacket
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**Outer Jacket Material**

Material	Nominal Diameter
PVC	0.59 in (15 mm)

Outer Jacket Color:	Aqua
Number of Outer Jacket Ripcords:	1

**Optical Characteristics**

Effective Modal Bandwidth (EMB):	2000 MHz-km / 500 MHz-km
Fiber Core Diameter:	50/125µm
Max Attenuation at 1300 nm:	1.2 dB/km

Max Attenuation at 850 nm:	3.0 dB/km
Wavelength:	850 nm / 1300 nm
10 Gigabit Ethernet Performance:	300 m / 300 m
1 Gigabit Ethernet Performance:	- / 550 m
Min Overfilled Launch (OFL) Bandwidth:	1500 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:	144 N (640 lbf)
Max Tensile Strength During Operation:	72 N (320 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
F13D048PK	Aqua

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