



**Product:** [FI4D048PKA](#)

Indoor Plenum OM4 Distribution 48 Fibers

## Product Description

FX Indoor OM4 Distribution Tight Buffer 48 Fibers OFNP Sub-Units (12F) Aqua Jacket

## Technical Specifications

### Product Overview

Product Category:	Fiber Distribution Cable
Suitable Applications:	Premise Backbone

### Fiber Specifications

Fiber Type:	OM4
Fiber Core Diameter:	50/125 $\mu\text{m}$
Buffer Material:	PVC - Polyvinyl Chloride
Buffer Diameter:	900 $\mu\text{m}$
Fiber Count:	48
Fiber Color Coding:	TIA-598-D

### Cable Construction

Number of Active Subunits:	4
Fibers Per Subunit:	12
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

### Outer Jacket Specifications

Jacket Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.590 in (15.0 mm)
Color:	Erika Violet
Number of Ripcords:	1

### 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:	1320 N (300 lbf)
Max. Tensile Strength During Operation:	400 N (90 lbf)
Crush Resistance:	100 N/cm
Bulk Cable Weight:	123 lbs/kft (184 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™, Environmental Product Declaration (EPD) Available
Flammability / Reaction to Fire:	OFNP, 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: 0.224 Revision Date: 11-09-2022
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## Part Numbers

### Variants

Item #	Color	Putup Type	UPC
FI4D048PKA	Aqua	Reel	612825372431

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