



**Product:** [FI3D024AJ](#) 

Indoor Plenum OM3 Distribution 24F Aluminum Armor Unitized

### Product Description

FX Indoor OM3 Distribution Tight Buffer 24 Fibers OFCP Aluminum Interlocked Armor Sub-Units(6F) Aqua Jacket

### Technical Specifications

Part Number:	FI3D024AJ
Construction Type:	Distribution

### Product Overview

Print Legend:	BELDEN 24xOM3 INDOOR DISTRIBUTION CABLE FI3D024AJ E95466(-PLANT ID) (UL) TYPE OFCP C(UL) OFCP --- FT6 --- ROHS (LOT NUMBER) (MMYYYY DATE CODE) (SEQUENTIAL MATERIAL)
Environmental Space:	Indoor
Suitable Applications:	Indoor

### Construction

#### Fiber Cable Construction

Fiber Type	Fiber Count
OM3	24

Fiber Color Coding:	Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua
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#### Buffer Specification

Buffer Material	Buffer Diameter
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:	6
SubUnit Diameter:	0.180 in (4.6 mm)
SubUnit Waterblocking:	no

### Jacket Specifications

Number of Jackets:	Double Jacket
Type of Armor:	Interlocked Aluminum
Number of Inner Jacket Ripcords:	1
Color@InnerJacket1:	Aqua
Nominal Diameter@InnerJacket1:	0.50 in
Material@InnerJacket1:	PVC

#### Outer Jacket Material

Material	Nominal Diameter
PVC	0.78 in (19.8 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

### Mechanical Tests

Description	Requirement/Value
Cable Min. Bend Radius Installation (Short Term)	20x Cable OD
Cable Min. Bend Radius Operation (Long Term)	10x Cable OD
Cable Max. Tensile Strength Installation (Short Term)	135 N (600 lbf)
Cable Max. Tensile Strength Operation (Long Term)	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
FI3D024AJ	Aqua	612825368359

Update and Revision: Revision Number: 0.59 Revision Date: 02-19-2019

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