



**Part Number:** FD2D024A9

Indoor/Outdoor Plenum OM2 Distribution 24F Aluminum Interlocked

## Product Description

FX Indoor/Outdoor OM2 Distribution Tight Buffer 24 Fibers OFCP Aluminum Interlocked Armor Non-Unitized Black Jacket

## Technical Specifications

### Product Overview

Part Number:	FD2D024A9
Construction Type:	Distribution
Environmental Space:	Indoor/Outdoor
Print Legend:	BELDEN 24xOM2 IN/OUTDOOR DISTRIBUTION CABLE FD2D024A9 E95466(-PLANT ID) (UL) TYPE OFCP C(UL) OFCP --- FT6 --- ROHS (LOT NUMBER) (MMYYYY DATE CODE) (SEQUENTIAL MATERIAL)
Suitable Applications:	Indoor / Outdoor

### Construction

#### Fiber Cable Construction

Fiber Type	Fiber Count
OM2	24

Fiber Type:	OM2
Fiber Count:	24
Fiber Color Coding:	Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua

#### Buffer Specification

Fiber Type	Buffer Material	Buffer Diameter
OM2	Thermoplastic	900 µm

Cable Core Water Blocking:	Waterblocking Aramid Yarns
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### SubUnit Specifications

Fibers Per Subunit:	24
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### Jacket Specifications

Number of Jackets:	Double Jacket
Type of Armor:	Interlocked Aluminum
Number of Inner Jacket Ripcords:	1
Color@InnerJacket1:	Black
Nominal Diameter@InnerJacket1:	0.33 in
Material@InnerJacket1:	PVC

#### Outer Jacket Material

Material	Nominal Diameter
PVC	0.63 in (16 mm)

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

### Optical Characteristics

Effective Modal Bandwidth (EMB):	950 MHz-km / 500 MHz-km
Fiber Core Diameter:	50/125µm

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:	150 m / 300 m
1 Gigabit Ethernet Performance:	550 m / 550 m
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:	67 N (300 lbf)
Max Tensile Strength During Operation:	20 N (90 lbf)

Temperature Range

Operating Temp Range:	-40C to +70C
Installation Temp Range:	-20C to +70C
Storage Temp Range:	-40C to +70C

Standards

UL Rating/Flame Test:	Plenum
CEC/C(UL) Specification:	OFNP
Telecommunications Standards:	ANSI/ICEA S-104-696
RoHS:	Yes

History

Variants

Item #	Color
FD2D024A9	Black

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