



Part Number: FI3D144FK

Indoor Riser OM3 Distribution 144F Armor Unitized

Product Description
FX Indoor OM3 Distribution Tight Buffer 144 Fibers OFCR Aluminum Interlocked Armor Sub-Units(12F) Aqua Jacket

Technical Specifications

Product Overview

Part Number:	FI3D144FK
Construction Type:	Distribution
Environmental Space:	Indoor
Print Legend:	BELDEN 144xOM3 INDOOR DISTRIBUTION CABLE FI3D144FK E95466(-PLANT ID) (UL) TYPE OFCR C(UL) OFCR --- FT4 --- ROHS (LOT NUMBER) (MMYYYY DATE CODE) (SEQUENTIAL MATERIAL)
Suitable Applications:	Indoor

Construction

Fiber Cable Construction

Fiber Type	Fiber Count
OM3	144

Fiber Type:	OM3
Fiber Count:	144
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:	12
Number of Subunit Positions:	12
Fibers Per Subunit:	12
SubUnit Diameter:	.230 in (5.8 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:	1.07 in
Material@InnerJacket1:	PVC

Outer Jacket Material

Material	Nominal Diameter
PVC	1.42 in (36.1 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:	135 N (600 lbf)
Max Tensile Strength During Operation:	45 N (200 lbf)

Temperature Range

Operating Temp Range:	-20C to +70C
Installation Temp Range:	-10C to +60C
Storage Temp Range:	-40C to +70C

Standards

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

History

Variants

Item #	Color
FI3D144FK	Aqua

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