



Product: [FD1D144LKO](#) 

Indoor/Outdoor Riser OM1 Distribution Tight Buffer 144f

Product Description

FX Indoor/Outdoor OM1 Distribution Tight Buffer 144 Fibers LSZH Sub-Units (12F) Orange Jacket

Technical Specifications

Part Number:	FD1D144LKO
Construction Type:	Distribution

Product Overview

Print Legend:	BELDEN 144xOM1 IN/OUTDOOR DISTRIBUTION CABLE FD1D144LKO E95466(-PLANT ID) (UL) TYPE OFNR C(UL) OFNR --- FT4 --- ROHS (LOT NUMBER) (MMYYYY DATE CODE) (SEQUENTIAL MATERIAL)
Environmental Space:	Indoor/Outdoor
Suitable Applications:	Indoor / Outdoor

Construction

Fiber Cable Construction

Fiber Type	Fiber Count
OM1	144

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
Cable Core Water Blocking:	Waterblocking Tape

SubUnit Specifications

Number of Active Subunits:	12
Number of Subunit Positions:	12
Fibers Per Subunit:	12
SubUnit Diameter:	0.230 in (5.8 mm)
SubUnit Waterblocking:	Water Blocking Aramid Yarns

Jacket Specifications

Number of Jackets:	Single Jacket
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Outer Jacket Material

Material	Nominal Diameter
LSZH	1.10 in (27.9 mm)

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

Optical Characteristics

Effective Modal Bandwidth (EMB):	220 MHz-km / 500 MHz-km
Fiber Core Diameter:	62.5/125µm

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:	33 m / 300 m
1 Gigabit Ethernet Performance:	275 m / 550 m
Min Overfilled Launch (OFL) Bandwidth:	200 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:	-40C to +70C
Installation Temp Range:	-20C to +70C
Storage Temp Range:	-40C to +70C

Standards

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

History

Variants

Item #	Color	UPC
FD1D144LKO	Orange	612825373001

Update and Revision:	Revision Number: 0.58 Revision Date: 09-20-2018
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