



Product: [FD3H0125G](#) 

Indoor/Outdoor Riser Heavy Duty Loose Tube OM3 12F Armor Unitized

Product Description

FX Indoor/Outdoor Heavy Duty Loose Tube OM3 12 Fibers OFCR Corrugated Steel Tape Armor Sub-Units(12F) Gel Black

Technical Specifications

Product Overview

Construction Type:	Heavy Duty Multi Loose Tube
Print Legend:	BELDEN 12xOM3 IN/OUTDOOR ARMORED LOOSE TUBE CABLE FD3H0125G E95466(-PLANT ID) (UL) TYPE OFNR C(UL) ---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
OM3	12

Fiber Color Coding:	TIA-598-D
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Buffer Specification

Buffer Material
Loose tube - Gel-filled

Central Strength Member:	GRP
Cable Core Water Blocking:	Waterblock Tape
Bulk Cable Weight:	17 lbs/1000ft
Weight:	107 kg

SubUnit Specifications

Number of Active Subunits:	1
Number of Subunit Positions:	5
Fibers Per Subunit:	12
Subunit Diameter:	0.110 in (2.8 mm)
Subunit Waterblocking:	Gel Filled

Jacket Specifications

Number of Jackets:	Double Jacket
Type of Armor:	Corrugated Steel Tape

Inner Jacket

Number of Ripcords:	2
Color:	Black
Material:	PVC - Polyvinyl Chloride

Outer Jacket Specifications

Outer Jacket

Material	Nominal Diameter
Thermoplastic	0.63 in (16 mm)
Color:	Black
Number of Ripcords:	2
Nom. Diameter:	.51 (12.9)

Optical Characteristics

Effective Modal Bandwidth (EMB):	2000 MHz-km / 500 MHz-km
Fiber Core Diameter:	50/125µm
Max. Attenuation at 1300 nm:	1.0 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

Crush Resistance:	440
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Mechanical Tests

Description	Requirement/Value
Cable Min. Bend Radius Installation (Short Term)	20x Cable OD
Cable Min. Bend Radius Operation (Long Term)	15x Cable OD
Cable Max. Tensile Strength Installation (Short Term)	67 N (300 lbf)
Cable Max. Tensile Strength Operation (Long Term)	22 N (100 lbf)
Cable Impact Resistance	2.9 N/cm

Temperature Range

Operating Temp Range:	-40C to +70C
Installation Temp Range:	-30C to +60C
Storage Temp Range:	-40C to +80C

Standards

UL Rating/Flame Test:	Riser
UL Flammability:	OFCR
NEC/(UL) Compliance:	N/A
C (UL) US:	FT4
TIA/EIA Compliance:	ANSI/ICEA S-104-696
RoHS:	Yes

Related Part Numbers

Variants

Item #	Color	Put-Up Type	UPC
FD3H0125G	Black	Reel	612825373742

History

Update and Revision:	Revision Number: 0.78 Revision Date: 04-21-2022
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