



Part Number: FS3L012NG

Outdoor Loose Tube OM3 12 Fibers

Product Description

FX Outdoor Loose Tube OM3 12 Fibers OSP Sub-Units (12F) Gel Black

Technical Specifications

Part Number:	FS3L012NG
Construction Type:	Multi Loose Tube

Product Overview

Print Legend:	BELDEN 12xOM3 OUTDOOR LOOSE TUBE CABLE FS3L012NG(-PLANT ID) (UL) TYPE OFN C(UL) OFN---ROHS (LOT NUMBER) (MMYYYY DATE CODE) (SEQUENTIAL MATERIAL)
Environmental Space:	Outdoor
Suitable Applications:	Outdoor

Construction

Fiber Cable Construction

Fiber Type	Fiber Count
OM3	12

Fiber Type:	OM3
Fiber Count:	12
Fiber Color Coding:	Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua

Buffer Specification

Buffer Material
Loose tube - Gel-filled

Central Strength Member:	GRP
Cable Core Water Blocking:	Waterblocking Tape
Bulk Cable Weight:	56 lbs/1000ft
Weight:	56 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

Physical Specifications

Fiber Buffer Material:	Loose tube - Gel-filled
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Jacket Specifications

Number of Jackets:	Single Jacket
Material@InnerJacket1:	PE

Outer Jacket Material

Material	Nominal Diameter
Thermoplastic	0.37 in (9.4 mm)

Outer Jacket Color:	Black
Number of Outer Jacket Ripcords:	2
OuterJacket1, Nominal Diameter:	.41 (1)

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

Min Bend Radius During Installation:	20x Cable OD
Min Bend Radius During Operation:	15x Cable OD
Max Tensile Strength During Installation:	135 N (600 lbf)
Max Tensile Strength During Operation:	40 N (180 lbf)
Crush Resistance:	220
Impact Resistance:	4.4 N/cm

Mechanical Tests

Description	Tested Standard	Requirement/Value	According to Family Specification
Cable Min. Bend Radius Operation (Long Term)		20x Cable OD	
Cable Min. Bend Radius Installation (Short Term)		15x Cable OD	
Cable Max. Tensile Strength Operation (Long Term)		135 N (600 lbf)	
Cable Max. Tensile Strength Installation (Short Term)		40 N (180 lbf)	
Cable Impact Resistance		4.4 N/cm	

Temperature Range

Operating Temp Range:	-40C to +70C
Installation Temp Range:	-30C to +70C
Storage Temp Range:	-40C to +75C

Standards

UL Rating/Flame Test:	OSP
Telecommunications Standards:	ANSI/ICEA S-87-640
RoHS:	Yes

History

Variants

Item #	Color	UPC
FS3L012NG	Black	612825373889

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