



Product: [FSSH216NG](#)

Outdoor OS2 Heavy Duty Loose Tube 216F

Product Description

Heavy Duty Loose Tube Fiber Cable, Outdoor, OS2, Singlemode, 12 Fibers per tube Gel, Black Jacket

Technical Specifications

Product Overview

Construction Type:	Heavy Duty Multi Loose Tube
Print Legend:	BELDEN 216xOS2 OUTDOOR LOOSE TUBE CABLE FSSH216NG(-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
OS2	216

Fiber Color Coding:	TIA-598-D
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Buffer Specification

Buffer Material
Loose tube - Gel-filled

Central Strength Member:	Upjacketed GRP
Cable Core Waterblocking:	Waterblock Tape
Bulk Cable Weight:	188 lbs/1000ft
Weight:	188 kg

SubUnit Specifications

Number of Active Subunits:	18
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:	Single Jacket
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Inner Jacket

Material:	PE - Polyethylene
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Outer Jacket Specifications

Outer Jacket

Material	Nominal Diameter
Thermoplastic	0.76 in (19.3 mm)

Color:	Black
Number of Ripcords:	2
Nom. Diameter:	.76 (19.3)

Optical Characteristics

Fiber Core Diameter:	8.2/125µm
Max. Attenuation at 1310 nm:	0.40 dB/km
Max. Attenuation at 1550 nm:	0.30 dB/km
Wavelength:	1310 nm / 1550 nm
10 Gigabit Ethernet Performance:	10,000 m / 40,000 m
1 Gigabit Ethernet Performance:	5,000 m / -

Mechanical Characteristics

Crush Resistance:	220
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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)	135 N (600 lbf)
Cable Max. Tensile Strength Operation (Long Term)	40 N (180 lbf)
Cable Impact Resistance	4.4 N/cm

Temperature Range

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

Standards

UL Rating/Flame Test:	OSP
TIA/EIA Compliance:	ANSI/ICEA S-87-640
RoHS:	Yes

Related Part Numbers

Variants

Item #	Color	Put-Up Type	UPC
FSSH216NG	Black	Reel	612825372790

History

Update and Revision:	Revision Number: 0.75 Revision Date: 04-08-2022
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