



Product: [FS1L006NF](#)

Outdoor Loose Tube OM1 6 Fibers

Product Description

FX Outdoor Loose Tube OM1 6 Fibers OSP Sub-Units (6F) Gel Black

Technical Specifications

Part Number:	FS1L006NF
Construction Type:	Multi Loose Tube

Product Overview

Print Legend:	BELDEN 6XOM1 OUTDOOR LOOSE TUBE CABLE FS1L006NF(-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
OM1	6

Fiber Color Coding:	Blue, Orange, Green, Brown, Gray, White
---------------------	---

Buffer Specification

Buffer Material
Loose tube - Gel-filled

Central Strength Member:	GRP
Cable Core Water Blocking:	Waterblocking Tape
Bulk Cable Weight:	59 lbs/1000ft
Weight:	59 kg

SubUnit Specifications

Number of Active Subunits:	1
Number of Subunit Positions:	6
Fibers Per Subunit:	6
SubUnit Diameter:	0.078 in (2.0 mm)
SubUnit Waterblocking:	Gel Filled

Jacket Specifications

Number of Jackets:	Single Jacket
Material@InnerJacket1:	PE

Outer Jacket Material

Material	Nominal Diameter
Thermoplastic	0.32 in (8.1 mm)

Outer Jacket Color:	Black
Number of Outer Jacket Ripcords:	2
OuterJacket1, Nominal Diameter:	.36 (9.1)

Optical Characteristics

Effective Modal Bandwidth (EMB):	220 MHz-km / 500 MHz-km
Fiber Core Diameter:	62.5/125µm
Max Attenuation at 1300 nm:	1.0 dB/km
Max Attenuation at 850 nm:	3.25 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

Crush Resistance:	220
-------------------	-----

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 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
FS1L006NF	Black	612825371250

Update and Revision: Revision Number: 0.171 Revision Date: 08-22-2019

© 2019 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Belden Wire & Cable:](#)

[FS1L006NF](#)