



Product: [FD1L006RE](#)

Indoor/Outdoor Riser Loose Tube OM1 6 Fibers

Product Description

FX Indoor/Outdoor Loose Tube OM1 6 Fibers OFNR Sub-Units (6F) Gel Black

Technical Specifications

Product Overview

Construction Type:	Multi Loose Tube
Print Legend:	BELDEN 6XOM1 IN/OUTDOOR LOOSE TUBE CABLE FD1L006RF E95466(-PLANT ID) (UL) TYPE OFNP 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
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:	81 lbs/1000ft
Weight:	81 kg

SubUnit Specifications

Number of Active Subunits:	1
Number of Subunit Positions:	6
Fibers Per Subunit:	6
Subunit Diameter:	0.110 in (2.8 mm)
Subunit Waterblocking:	Gel Filled

Jacket Specifications

Number of Jackets:	Single Jacket
--------------------	---------------

Inner Jacket

Material:	PVC - Polyvinyl Chloride
-----------	--------------------------

Outer Jacket

Outer Jacket Material

Material	Nominal Diameter
Thermoplastic	0.319 in (8.1 mm)

Color:	Black
Number of Ripcords:	2
Nominal Diameter:	.38 (9.7)

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)	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 +70C
Storage Temp Range:	-40C to +75C

Standards

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

Part Number

Variants

Item #	Color	UPC
FD1L006RF	Black	612825370314

History

Update and Revision:	Revision Number: 0.122 Revision Date: 05-14-2020
----------------------	--

© 2020 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.