



**Product:** [FS2L006NC](#)

Loose Tube OM2 6 Fibers OSP Dry Block

### Product Description

FX Outdoor Loose Tube OM2 6 Fibers OSP Sub-Units(6F) Dry Black

### Technical Specifications

#### Product Overview

Suitable Applications:	Campus Area Network, Long Haul, Backbone
------------------------	--

#### Fiber Specifications

Fiber Type:	OM2
Fiber Core Diameter:	50/125 $\mu$ m
Fiber Diameter:	250 $\mu$ m
Fiber Count:	6
Fiber Color Coding:	TIA-598-D

#### Cable Construction

Number of Active Subunits:	1
Number of Fillers:	4
Fibers Per Subunit:	6
Subunit Waterblocking:	Gel Free
Central Strength Member:	GRP
Cable Core Waterblocking:	Waterblock Tape

#### Inner Jacket Specifications

Material:	PE - Polyethylene
-----------	-------------------

#### Outer Jacket Specifications

Strength Member:	Waterblocking Aramid Yarns
Jacket Material:	PE - Polyethylene
Nom. Diameter:	0.40 in (10.2 mm)
Color:	Black
Number of Ripcords:	1

#### Optical Characteristics

Wavelength	850 nm	1300 nm
Max. Attenuation	3.0 dB/km	1.0 dB/km
1 Gigabit Ethernet Performance	600 m	600 m
10 Gigabit Ethernet Performance	82 m	—
Min. Restricted Mode Launch	950 MHz-km	500 MHz-km
Min. Overfilled Launch (OFL) Bandwidth	700 MHz-km	500 MHz-km

#### Mechanical Characteristics

Min. Bend Radius During Installation:	15x Cable OD
Min. Bend Radius During Operation:	10x Cable OD

Max. Tensile Strength During Installation:	2670 N (600 lbf)
Max. Tensile Strength During Operation:	800 N (180 lbf)
Crush Resistance:	220 N/cm
Bulk Cable Weight:	43 lbs/kft (64 kg/km)

## Temperature Range

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

## Standards and Compliance

Environmental Suitability:	Outdoor, Burial
Sustainability:	CA Prop 65
ICEA Compliance:	S-87-640
TIA/EIA Compliance:	ANSI/ICEA S-87-640

## History

Update and Revision:	Revision Number: 0.78 Revision Date: 11-09-2022
----------------------	---

## Part Numbers

### Variants

Item #	Color	Putup Type	UPC
FS2L006NC	Black	Reel	612825383925

© 2025 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.