



## Product: [FSSC008N0](#)

### OUTDOOR CENTRAL LOOSE TUBE OS2 8 FIBERS

#### Product Description

FX OUTDOOR CENTRAL LOOSE TUBE OS2 8 FIBERS OSP NON-UNITIZED BLACK

#### Technical Specifications

Part Number:	FSSC008N0
Construction Type:	Central Loose Tube

#### Product Overview

Environmental Space:	Outdoor
Suitable Applications:	Outdoor, Wet Location, Aerial (Lashed), Data, Telecommunications, Campus Backbone, Drop

#### Construction

##### Fiber Cable Construction

Fiber Type	Fiber Count
OS2	8

Fiber Color Coding: Blue, Orange, Green, Brown, Gray, White, Red, Black

##### Buffer Specification

Buffer Diameter
0.150

Cable Core Water Blocking: Gel-Filled

#### SubUnit Specifications

Number of Active Subunits:	Non-Unitized
SubUnit Diameter:	0.150 in (3.8 mm)

#### Physical Specifications

Buffer Tube Waterblocking:	Gel Filled
----------------------------	------------

#### Jacket Specifications

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

#### Outer Jacket

##### Outer Jacket Material

Material	Nominal Diameter
PE - Polyethylene	0.315 in (8.0 mm)
Color:	Black
Number of Ripcords:	1

#### Optical Characteristics

Mode Field Diameter:	9.2
Fiber Core Diameter:	8.2/125 $\mu$ m
Max Attenuation at 1310 nm:	0.4 dB/km

Max Attenuation at 1550 nm:	0.3 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

### Mechanical Tests

Description	Requirement/Value
Cable Min. Bend Radius Installation (Short Term)	20x Cable OD
Cable Min. Bend Radius Operation (Long Term)	10x Cable OD
Cable Max. Tensile Strength Installation (Short Term)	135 N (600 lbf)
Cable Max. Tensile Strength Operation (Long Term)	45 N (200 lbf)

## Temperature Range

Operating Temp Range:	-40C to +70C
Installation Temp Range:	-20C to +70C
Storage Temp Range:	-40C to +70C

## Standards

UL Rating/Flame Test:	OSP
NEC/(UL) Compliance:	N/A
TIA/EIA Compliance:	ANSI/ICEA S-87-640
RoHS:	Yes
UV/ Sunlight Protection:	Yes

## History

Update and Revision:	Revision Number: 0.63 Revision Date: 04-28-2020
----------------------	---

© 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 "AS IS" 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.