



**Product:** [FS1L0246G](#)

Loose Tube OM1 24F OSP Armor Unitized(12F) Gel

## Product Description

FX Outdoor Loose Tube OM1 24 Fibers OSP Corrugated Steel Tape Armor Sub-Units(12F) Gel Black Jacket

## Technical Specifications

### Product Overview

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

### Fiber Specifications

Fiber Type:	OM1
Fiber Core Diameter:	62.5/125 $\mu$ m
Fiber Diameter:	250 $\mu$ m
Fiber Count:	24
Fiber Color Coding:	TIA-598-D

### Cable Construction

Number of Active Subunits:	2
Number of Fillers:	3
Fibers Per Subunit:	12
Subunit Waterblocking:	Gel Filled
Subunit Diameter:	0.098 in (2.5 mm)
Central Strength Member:	GRP
Core Wrap:	Nomex tape
Cable Core Waterblocking:	Waterblock Tape

### Inner Jacket Specifications

Strength Member:	Aramid Yarns
Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.370 in (9.4 mm)
Color:	Black
Number of Ripcords:	2

### Armor Specifications

Armor Type and Material:	CST - Corrugated Steel Tape
--------------------------	-----------------------------

### Outer Jacket Specifications

Jacket Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.610 in (15.5 mm)
Color:	Black
Number of Ripcords:	2

### Optical Characteristics

Wavelength	850 nm	1300 nm
------------	--------	---------

Max. Attenuation	3.25 dB/km	1.0 dB/km
1 Gigabit Ethernet Performance	300 m	550 m
10 Gigabit Ethernet Performance	33 m	-
Min. Restricted Mode Launch	220 MHz.km	-
Min. Overfilled Launch (OFL) Bandwidth	200 MHz.km	500 MHz.km

## Mechanical Characteristics

Min. Bend Radius During Installation:	20x 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:	440 N/cm
Bulk Cable Weight:	120

## Temperature Range

Installation Temperature Range:	-30°C to +60°C
Operating Temperature Range:	-40°C to +70°C
Storage Temperature Range:	-40°C to +70°C

## Standards and Compliance

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

## History

Update and Revision:	Revision Number: 0.84 Revision Date: 11-09-2022
----------------------	-------------------------------------------------

## Part Numbers

### Variants

Item #	Color	Putup Type	UPC
FS1L0246G	Black	Reel	612825443902

© 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.