



**Product:** [FD1D012L9](#) 

Indoor/Outdoor Distribution Tight Buffer OM1 12 Fibers LSZH/OFNR  
Non-Unitized

## Product Description

FX Indoor/Outdoor, Distribution Tight Buffer, OM1, 12 Fibers, LSZH/OFNR, Non-Unitized, Black Jacket

## Technical Specifications

### Product Overview

Product Category:	Fiber Distribution Cable
Suitable Applications:	Premise Backbone

### Fiber Specifications

Fiber Type:	OM1
Fiber Core Diameter:	62.5/125 µm
Fiber Diameter:	250 µm
Fiber Buffer Diameter:	900 µm
Fiber Count:	12
Fiber Color Coding:	TIA-598-D

### Outer Jacket Specifications

Strength Member:	Waterblocking Aramid Yarns
Jacket Material:	LSZH - Low Smoke Zero Halogen (Flame Retardant)
Nom. Diameter:	0.260 in (6.6 mm)
Outer Jacket Color:	Black
Outer Jacket Ripcord:	1

### Mechanical Characteristics

Minimum Bend Radius During Installation:	15x Cable OD
Minimum Bend Radius During Operation:	10x Cable OD
Max. Tensile Strength During Installation:	660 N (150 lbf)
Max. Tensile Strength During Operation:	200 N (45 lbf)
Crush Resistance:	220 N/cm
Bulk Cable Weight:	26 lbs/kft (39 kg/km)

### Temperature Range

Installation Temperature Range:	-10°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:	Indoor/Outdoor, Sunlight Resistance, Burial
Sustainability:	CA Prop 65, Product Lens™, Environmental Product Declaration (EPD) Available
Flammability / Reaction to Fire:	UL 1666, UL 1685, FT4
NEC / UL Compliance:	OFNR-ST1
CEC / C(UL) Compliance:	OFNR-ST1

ICEA Compliance:	S-104-696
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE), REACH: 2020-01-16

## History

Update and Revision:	Revision Number: 0.52 Revision Date: 09-07-2025
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## Part Numbers

### Variants

Item #	Color	UPC
FD1D012L9	Black	612825380955

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