



**Product:** [FD2D002P9](#)

Indoor/Outdoor Plenum OM2 Distribution 2 Fibers



### Product Description

FX Indoor/Outdoor OM2 Distribution Tight Buffer 2 Fibers OFNP Non-Unitized Black Jacket

### Technical Specifications

#### Product Overview

Product Category:	Fiber Distribution Cable
Suitable Applications:	Premise Backbone

#### Fiber Specifications

Fiber Type:	OM2
Fiber Core Diameter:	50/125 µm
Buffer Material:	PVC - Polyvinyl Chloride
Buffer Diameter:	900 µm
Fiber Count:	2
Fiber Color Coding:	TIA-598-D

#### Cable Construction

Cable Core Waterblocking:	Waterblocking Aramid Yarns
---------------------------	----------------------------

#### Outer Jacket Specifications

Strength Member:	Waterblocking Aramid Yarns
Jacket Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.174 in (4.4 mm)
Color:	Black
Number of Ripcords:	1

#### Optical Characteristics

Wavelength	850 nm	1300 nm
Max. Attenuation	3.5 dB/km	1.25 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:	660 N (150 lbf)
Max. Tensile Strength During Operation:	200 N (45 lbf)
Crush Resistance:	220 N/cm
Bulk Cable Weight:	14 lbs/kft (21 kg/km)

#### Temperature Range

Installation Temperature Range:	0°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:	OFNP, FT6
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: 0.76 Revision Date: 11-09-2022
----------------------	---

## Part Numbers

### Variants

Item #	Color	Putup Type	UPC
FD2D002P9	Black	Reel	612825367390

© 2023 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.