



Product: [FISD006P9](#)

Indoor Plenum OS2 Distribution Tight Buffer 6 Fibers

**Product Description**  
FX Indoor OS2 Distribution Tight Buffer 6 Fibers OFNP Non-Unitized Yellow Jacket

**Technical Specifications**

Part Number:	FISD006P9
Construction Type:	Distribution

**Product Overview**

Print Legend:	BELDEN 6XOS2 INDOOR DISTRIBUTION CABLE FISD006P9 E95466(-PLANT ID) (UL) TYPE OFNP C(UL) OFNP --- FT6 --- ROHS (LOT NUMBER) (MMYYYY DATE CODE) (SEQUENTIAL MATERIAL)
Environmental Space:	Indoor
Suitable Applications:	Indoor

**Construction**

**Fiber Cable Construction**

Fiber Type	Fiber Count
OS2	6

Fiber Color Coding:	Blue, Orange, Green, Brown, Gray, White
---------------------	---

**Buffer Specification**

Buffer Material	Buffer Diameter
Thermoplastic	900 µm

**SubUnit Specifications**

Fibers Per Subunit:	6
---------------------	---

**Jacket Specifications**

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

**Outer Jacket Material**

Material	Nominal Diameter
PVC	0.19 in (4.8 mm)

Outer Jacket Color:	Yellow
Number of Outer Jacket Ripcords:	1

**Optical Characteristics**

Mode Field Diameter:	9.2
Fiber Core Diameter:	8.2/125µm
Max Attenuation at 1310 nm:	0.5 dB/km
Max Attenuation at 1550 nm:	0.5 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)	28 N (125 lbf)
Cable Max. Tensile Strength Operation (Long Term)	11 N (50 lbf)

Temperature Range

Operating Temp Range:	0C to +70C
Installation Temp Range:	0C to +60C
Storage Temp Range:	-40C to +70C

Standards

UL Rating/Flame Test:	Plenum
CEC/C(UL) Specification:	OFNP
Telecommunications Standards:	ANSI/ICEA S-83-596
RoHS:	Yes

History

Variants

Item #	Color	UPC
FISD006P9	Yellow	612825370444

Update and Revision:	Revision Number: 0.174 Revision Date: 08-22-2019
----------------------	--

© 2019 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.

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Belden Wire & Cable:](#)

[FISD006P9](#)