



Product: [FDSH0965G](#)

Indoor/Outdoor Riser Heavy Duty Loose Tube OS2 96F Armor Unitized

Product Description

FX Indoor/Outdoor Heavy Duty Loose Tube OS2 96 Fibers OFCR Corrugated Steel Tape Armor Sub-Units(12F) Gel Black

Technical Specifications

Product Overview

Construction Type:	Heavy Duty Multi Loose Tube
Print Legend:	BELDEN 96xOS2 IN/OUTDOOR ARMORED LOOSE TUBE CABLE FDSH0965G E95466(-PLANT ID) (UL) TYPE OFNR C(UL) ---FT4--- ROHS (LOT NUMBER) (MMYYYY DATE CODE) (SEQUENTIAL MATERIAL)
Environmental Space:	Indoor/Outdoor
Suitable Applications:	Indoor/Outdoor

Construction

Fiber Cable Construction

Fiber Type	Fiber Count
OS2	96

Fiber Color Coding:	TIA-598-D
---------------------	-----------

Buffer Specification

Buffer Material
Loose tube - Gel-filled

Central Strength Member:	Upjacketed GRP
Cable Core Waterblocking:	Waterblock Tape
Bulk Cable Weight:	159 lbs/1000ft
Weight:	159 kg

SubUnit Specifications

Number of Active Subunits:	8
Number of Subunit Positions:	5
Fibers Per Subunit:	12
Subunit Diameter:	0.110 in (2.8 mm)
Subunit Waterblocking:	Gel Filled

Jacket Specifications

Number of Jackets:	Double Jacket
Type of Armor:	Corrugated Steel Tape

Inner Jacket

Number of Ripcords:	2
Color:	Black
Material:	PVC - Polyvinyl Chloride

Outer Jacket Specifications

Outer Jacket

Material	Nominal Diameter
Thermoplastic	0.70 in (17.8 mm)
Color:	Black
Number of Ripcords:	2
Nom. Diameter:	.61 (15.5)

Optical Characteristics

Fiber Core Diameter:	8.2/125µm
Max. Attenuation at 1310 nm:	0.40 dB/km
Max. Attenuation at 1550 nm:	0.30 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

Crush Resistance:	440
-------------------	-----

Mechanical Tests

Description	Requirement/Value
Cable Min. Bend Radius Installation (Short Term)	20x Cable OD
Cable Min. Bend Radius Operation (Long Term)	15x Cable OD
Cable Max. Tensile Strength Installation (Short Term)	135 N (600 lbf)
Cable Max. Tensile Strength Operation (Long Term)	40 N (180 lbf)
Cable Impact Resistance	2.9 N/cm

Temperature Range

Operating Temperature Range:	-40C to +70C
Installation Temperature Range:	-30C to +60C
Storage Temperature Range:	-40C to +80C

Standards

UL Rating/Flame Test:	Riser
UL Flammability:	OFCR
C (UL) US:	FT4
TIA/EIA Compliance:	ANSI/ICEA S-104-696
RoHS:	Yes

Related Part Numbers

Variants

Item #	Color	Put-Up Type	UPC
FDSH0965G	Black	Reel	612825374077

History

Update and Revision:	Revision Number: 0.86 Revision Date: 05-31-2024
----------------------	---

© 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.