



Product: [FD4H0065E](#)

Indoor/Outdoor Heavy Duty Loose Tube OM4 6 Fibers OFCR Corrugated Steel Tape Armor Sub-Units (6F) Gel

Product Description

FX Indoor/Outdoor, Heavy Duty Loose Tube, OM4, 6 Fibers, OFCR, Corrugated Steel Tape Armor, Sub-Units (6F) Gel, Black Jacket

Technical Specifications

Product Overview

Product Category:	Fiber Multi-Loose Tube Cable
Suitable Applications:	Campus Area Network, Long Haul, Backbone

Fiber Specifications

Fiber Type:	OM4
Fiber Core Diameter:	50/125 µm
Fiber Diameter:	250 µm
Fiber Count:	6
Fiber Color Coding:	TIA-598-D

Cable Construction

Number of Active Subunits:	1
Number of Fillers:	4
Fibers Per Subunit:	6
Subunit Waterblocking:	Gel Filled
Subunit Diameter:	0.098 in (2.5 mm)
Subunit Color:	TIA-598-D
Central Strength Member Type:	GRP

Inner Jacket Specifications

Material:	PVC - Polyvinyl Chloride (Non-Contaminating)
Nominal Diameter@InnerJacket1 (cnv):	0.347 in (8.8 mm)
Color:	Black
Number of Inner Jacket Ripcords:	1

Armor Specifications

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

Outer Jacket Specifications

Strength Member:	Fiberglass Yarns
Jacket Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.600 in (15.2 mm)
Outer Jacket Color:	Black
Outer Jacket Ripcord:	2

Optical Characteristics

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

Max. Attenuation	3.0 dB/km	1.0 dB/km
10 Gigabit Ethernet Performance	400 m	--
40 Gigabit Ethernet Performance	150 m	--
100 Gigabit Ethernet Performance	100 m	--
Min. Effective Modal Bandwidth (EMB)	4700 MHz.km	--
Min. Overfilled Launch (OFL) Bandwidth	3500 MHz.km	500 MHz.km

Mechanical Characteristics

Minimum Bend Radius During Installation:	20 x Cable OD
Minimum Bend Radius During Operation:	10 x Cable OD
Max. Tensile Strength During Installation:	2670 N (600 lbf)
Max. Tensile Strength During Operation:	800N (180lbf)
Crush Resistance:	220 N/cm
Bulk Cable Weight:	166 lbs/kft (247 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:	Product Lens™, Environmental Product Declaration (EPD) Available
Flammability / Reaction to Fire:	UL 1666, UL 1685
NEC / UL Compliance:	OFCR
CEC / C(UL) Compliance:	FT4
ICEA Compliance:	S-104-696
TIA/EIA Compliance:	568.3, 598-D
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment)

History

Update and Revision:	Revision Number: 0.57 Revision Date: 12-07-2025
----------------------	---

Part Numbers

Variants

Item #	Color	Putup Type
(IT_FD4H0065F)	Black	Reel

© 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.