



Product: FD4H1445G ☑

Indoor/Outdoor Heavy Duty Loose Tube OM4 144 Fibers OFCR Corrugated Steel Tape Armor Sub-Units(12F) Gel

# **Product Description**

FX Indoor/Outdoor, Heavy Duty Loose Tube, OM4, 144 Fibers, OFCR, Corrugated Steel Tape Armor, Sub-Units (12F) 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:	144
Fiber Color Coding:	TIA-598-D

#### **Cable Construction**

Number of Active Subunits:	12
Fibers Per Subunit:	12
Subunit Diameter:	0.098 in (2.5 mm)
Subunit Color:	TIA-598-D
Central Strength Member Type:	GRP
Core Wrap Material:	Water Block Tape
Cable Core Water Blocking:	Gel Filled

# **Inner Jacket Specifications**

Material:	PVC - Polyvinyl Chloride
Nominal Diameter@InnerJacket1 (cnv):	0.558 in (14.2 mm)
Color:	Black
Number of Inner Jacket Ripcords:	1

### **Armor Specifications**

Armor Type and Material:	CST - Corrugated Steel Tape

# **Outer Jacket Specifications**

Jacket Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.760 in (19.3 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:	20x Cable OD
Minimum Bend Radius During Operation:	10x Cable OD
Max. Tensile Strength During Installation:	2670 N (600 lbf)
Max. Tensile Strength During Operation:	800 N (180 lbf)
Crush Resistance:	220 N/cm
Bulk Cable Weight:	231 lbs/kft (344 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**

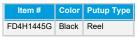
Environmental Suitability:	Indoor/Outdoor, Sunlight Resistance, Burial
Flammability / Reaction to Fire:	UL 1666, UL 1685
NEC / UL Compliance:	OFCR
CEC / C(UL) Compliance:	FT4
ICEA Compliance:	S-104-696
TIA/EIA Compliance:	568.3, 598-D
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment)

#### History

Update and Revision:	Revision Number: 0.57 Revision Date: 12-01-2025

### **Part Numbers**

### Variants



© 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.