



Product: [FD1H1445G](#)

Indoor/Outdoor Riser Heavy Duty Loose Tube OM1 144f

Product Description

FX Indoor/Outdoor Heavy Duty Loose Tube OM1 144 Fibers OFCR Corrugated Steel Tape Armor Sub-Units (12F) Gel Black

Technical Specifications

Product Overview

Suitable Applications:	Campus Area Network, Backbone
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Fiber Specifications

Fiber Type:	OM1
Fiber Core Diameter:	62.5/125 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 Waterblocking:	Gel Filled
Subunit Diameter:	0.110 in (2.8 mm)
Central Strength Member:	Upjacketed GRP
Core Wrap:	Waterblocking tape
Cable Core Waterblocking:	Waterblock Tape

Inner Jacket Specifications

Strength Member:	Waterblocking Aramid Yarns
Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.641 in (16.3 mm)
Color:	Black
Number of Ripcords:	2

Armor Specifications

Armor Type and Material:	CST - Corrugated Steel Tape
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Outer Jacket Specifications

Jacket Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.880 in (22.4 mm)
Color:	Black
Number of Ripcords:	2

Optical Characteristics

Wavelength	850 nm	1300 nm
Max. Attenuation	3.25 dB/km	1.0 dB/km
1 Gigabit Ethernet Performance	300 m	550 m

10 Gigabit Ethernet Performance	33 m	-
Min. Restricted Mode Launch	220 MHz.km	-
Min. Overfilled Launch (OFL) Bandwidth	200 MHz.km	500 MHz.km

Mechanical Characteristics

Min. Bend Radius During Installation:	20x Cable OD
Min. 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:	440 N/cm
Bulk Cable Weight:	295

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:	CA Prop 65
Flammability / Reaction to Fire:	OFCR, FT4
ICEA Compliance:	S-104-696
TIA/EIA Compliance:	ANSI/ICEA S-104-696

History

Update and Revision:	Revision Number: 0.174 Revision Date: 11-09-2022
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Part Numbers

Variants

Item #	Color	Putup Type	UPC
FD1H1445G	Black	Reel	612825373650

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