Belden

Product: FD3H1445G

Indoor/Outdoor Riser Heavy Duty Loose Tube OM3 144f

Product Description

FX Indoor/Outdoor Heavy Duty Loose Tube OM3 144 Fibers OFCR Corrugated Steel Tape Armor Sub-Units (12F) Gel Black

Technical Specifications

Product Overview

Suitable Applications:	Campus Area Network, Backbone

Fiber Specifications

Fiber Type:	OM3
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 Waterblocking:	Gel Filled
Subunit Diameter:	0.110 in (2.8 mm)
Central Strength Member Type:	Upjacketed GRP
Core Wrap Material:	Waterblocking tape
Cable Core Water Blocking:	Waterblock Tape

Inner Jacket Specifications

Inner Jacket Strength Member:	Waterblocking Aramid Yarns
Material:	PVC - Polyvinyl Chloride
Nominal Diameter@InnerJacket1 (cnv):	0.641 in (16.3 mm)
Color:	Black
Number of Inner Jacket Ripcords:	2

Armor Specifications

Armor Type and Material:	CST - Corrugated Steel Tape

Outer Jacket Specifications

Jacket Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.880 in (22.4 mm)
Outer Jacket Color:	Black
Outer Jacket Ripcord:	2

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:	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: 0.175 Revision Date: 09-07-2025

Part Numbers

Variants

Item #	Color	Putup Type	UPC
FD3H1445G	Black	Reel	612825373803

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