Belden



Product: FDSH1445G

Indoor/Outdoor Riser Heavy Duty Loose Tube OS2 144F Armor Unitized

Product Description

FX Indoor/Outdoor Heavy Duty Loose Tube OS2 144 Fibers OFCR Corrugated Steel Tape Armor Sub-Units(12F) Gel Black

Technical Specifications

Product Overview

Suitable Applications:	Indoor/Outdoor

Fiber Specifications

Fiber Type:	OS2
Fiber Core Diameter:	8.2/125µm
Fiber Buffer Material:	Loose tube - Gel-filled
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
Cable Core Water Blocking:	Waterblock Tape

Inner Jacket Specifications

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

Armor Specifications

Armor Type and Material:	CST - Corrugated Steel Tape

Outer Jacket Specifications

Jacket Material:	Thermoplastic
Nom. Diameter:	.76 (19.3)
Outer Jacket Color:	Black
Outer Jacket Ripcord:	2

Mechanical Characteristics

Minimum Bend Radius During Installation:	20x Cable OD
Minimum Bend Radius During Operation:	15x Cable OD
Max. Tensile Strength During Installation:	600 lbf (2700 N)
Max. Tensile Strength During Operation:	180 lbf (800 N)
Crush Resistance:	440

Bulk Cable Weight:	243 lbs/1000ft (362 kg/km)

Temperature Range

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

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor
Flammability / Reaction to Fire:	OFCR
TIA/EIA Compliance:	ANSI/ICEA S-104-696

History

Update and Revision:	Revision Number: 0.81 Revision Date: 09-07-2025

Part Numbers

Variants

Item #	Color	Putup Type	UPC
FDSH1445G	Black	Reel	612825374084

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