Belden



Product: FD4L144RG

Indoor/Outdoor Riser Loose Tube OM4 144F Unitized Gel

Product Description

Indoor/Outdoor Loose Tube OM4 144 Fibers OFNR Sub-Units(12F) Gel Black

Technical Specifications

Product Overview

Suitable Applications:	Campus Area Network, 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
Number of Fillers:	0
Fibers Per Subunit:	12
Subunit Waterblocking:	Gel Filled
Subunit Diameter:	0.110 in (2.8 mm)
Subunit Color:	TIA-598-D
Fiber SubUnit Strength Members:	Waterblocking aramid yarns
Central Strength Member Type:	Upjacketed GRP
Core Wrap Material:	Waterblocking tape
Cable Core Water Blocking:	Gel Filled

Outer Jacket Specifications

Strength Member:	Waterblocking Aramid Yarns
Jacket Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.701 in (17.8 mm)
Outer Jacket Ripcord:	2

Mechanical Characteristics

Minimum Bend Radius During Installation:	15x 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:	176 lbs/kft (262 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:	CA Prop 65, Product Lens™, Environmental Product Declaration (EPD) Available
Flammability / Reaction to Fire:	OFNR, FT4
ICEA Compliance:	S-104-696

History

Update and Revision:	Revision Number: 0.59 Revision Date: 09-07-2025

Part Numbers

Variants

Item #	Color	UPC
FD4L144RG	Black	612825372479

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