



Part Number: GBRJ844

Outdoor Loose Tube 144 Fibers G652D/G657A1-OS2

Product Description

Outdoor Dry Core Rodent Protection Multi Loose Tube Optical Cable 144 x 9/125-G652D/G657A1-OS2 A-DQ(ZN)B2Y

Technical Specifications

Product Overview

Construction Type:	Multi Loose Tube
Environmental Space:	Outdoor
Suitable Applications:	For outdoor use in structured (data) wiring systems such as campus backbone. For outdoor use in networks for telecom, cable TV and/or broadcast. Easy to install in ducts, tunnels and trenches and/or tubes.

Construction

Fiber Cable Construction

Fiber Type	Fiber Grade acc. ITU-T	Fiber Count	Subunit Color
OS2	G652D & G657A1	144	TIA coding (Gxxxxx.T): Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua
Fiber Type:	OS2		
Fiber Count:	144		
Fiber Color Coding:	TIA coding (Gxxxxx.T): Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua		

Buffer Specification

Fiber Type	OS2
Central Strength Member:	GRP
Cable Core Water Blocking:	Waterblocking Glass Yarns + Tape
Bulk Cable Weight:	187 kg/km

SubUnit Specifications

Number of Active Subunits:	12
Number of Subunit Positions:	12
Fibers Per Subunit:	12
SubUnit Diameter:	0.075 in (1.9 mm)
SubUnit Waterblocking:	Gel Filled

Jacket Specifications

Number of Jackets:	Single Jacket
Type of Armor:	Non-Armored

Outer Jacket Material

Material	Color	Nominal Diameter	Ripcord
HDPE - High Density Polyethylene	Black	15.6 mm	1

Optical Characteristics

Fiber Core Diameter:	9 µm
Max Attenuation at 1310 nm:	0.39 dB/km

Max Attenuation at 1550 nm:	0.24 dB/km
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Mechanical Characteristics

Min Bend Radius During Installation:	312 mm
Min Bend Radius During Operation:	234 mm
Max Tensile Strength During Installation:	11100 N (2495 lbf)
Max Tensile Strength During Operation:	3700 N (832 lbf)

Temperature Range

Operating Temp Range:	-30 °C to +70 °C
Installation Temp Range:	-5 °C to +50 °C
Storage Temp Range:	-30 °C to +70 °C

Tensile Strength

Max Tensile Strength During Inst - Test Standard:	IEC 60794-1-21-E1
Max Tensile Strength During Operation - Test Standard:	IEC 60794-1-21-E1

Standards

UL Rating/Flame Test:	Non-UL Rated
REACH:	Compliant
ISO/IEC Compliance:	IEC 60794
EU Directive 2011/65/EU (ROHS II):	Compliant
UV/ Sunlight Protection:	yes

History

Variants

Item #	Color	Length
GBRJ844.T02100	Black	2,100 m

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