



Part Number: GOSB112

Outdoor Central Loose Tube 12 Fibers OM1

Product Description

Outdoor Rodent Protection Central Loose Tube Optical Cable 12 x 62.5/125-OM1 A-DQ(ZN)B2Y

Technical Specifications

Product Overview

Construction Type:	Central 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. Suitable for direct burial. Easy to install in ducts, tunnels and trenches.

Construction

Fiber Cable Construction

Fiber Type	Fiber Count	Subunit Color	Subunit Color 2
OM1	12	TIA coding (Gxxxxx.T): Natural	Europe coding (Gxxxxx.0): Natural

Fiber Type:	OM1
Fiber Count:	12
Fiber Color Coding:	TIA coding (Gxxxxx.T): Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua
Fiber Color Coding 2:	Europe coding (Gxxxxx.0): Red, Natural, Yellow, Blue, Green, Violet, Brown, Black, Orange, Aqua, Pink, White

Buffer Specification

Fiber Type	
OM1	
Cable Core Water Blocking:	Waterblocking Glass Yarns
Bulk Cable Weight:	66 kg/km

SubUnit Specifications

SubUnit Diameter:	0.165 in (4.2 mm)
SubUnit Waterblocking:	Gel Filled

Jacket Specifications

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

Outer Jacket Material

Material	Color	Nominal Diameter	Nominal Wall Thickness	Ripcord
PE - Polyethylene	Black	8.7 mm	1.25 mm	0

Optical Characteristics

Fiber Core Diameter:	62.5 µm
Max Attenuation at 1300 nm:	1.2 dB/km
Max Attenuation at 850 nm:	3.4 dB/km

Mechanical Characteristics

Min Bend Radius During Installation:	174 mm
Min Bend Radius During Operation:	87 mm
Max Tensile Strength During Installation:	3750 N (843 lbf)
Max Tensile Strength During Operation:	1250 N (281 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
GOSB112.002100	Black	2,100 m

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