



Part Number: GOSN212

Outdoor Central Loose Tube 12 Fibers OM2

Product Description

Outdoor Rodent Protection Central Loose Tube Optical Cable 12 x 50/125-OM2 A-DQ(ZN)B2Y

Technical Specifications

Construction Type:	Central Loose Tube
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Product Overview

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
OM2	12	TIA coding (Gxxxxx.T): Natural	Europe coding (Gxxxxx.0): Natural
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		
Cable Core Water Tight:	Yes		
Cable Core Water Blocking:	Waterblocking Glass Yarns		
Bulk Cable Weight:	28 kg/km		

SubUnit Specifications

Number of Active Subunits:	1
Number of Subunit Positions:	1
Fibers Per Subunit:	12
SubUnit Diameter:	3.3 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	5.8 mm	0.8 mm	0

Optical Characteristics

Fiber Core Diameter:	50 µm
Max Attenuation at 1300 nm:	1.0 dB/km
Max Attenuation at 850 nm:	2.9 dB/km

Mechanical Characteristics

Mechanical Tests

Description	Tested Standard	Requirement/Value	According to Family Specification
Cable Min. Bend Radius Installation (Short Term)	IEC 60794-1-21-E6	116 mm	IEC 60794-3-10
Cable Min. Bend Radius Operation (Long Term)	IEC 60794-1-21-E11	58 mm	IEC 60794-3-10
Cable Max. Tensile Strength Installation (Short Term)	IEC 60794-1-21-E1	1250 N (281 lbf)	IEC 60794-3-10
Cable Max. Tensile Strength Operation (Long Term)	IEC 60794-1-21-E1	420 N (94 lbf)	IEC 60794-3-10
Cable Max. Crush Resistance Installation (Short Term)	IEC 60794-1-21-E3	15 kN/m	IEC 60794-3-10
Cable Max. Crush Resistance Operation (Long Term)	IEC 60794-1-21-E3	7.5 kN/m	IEC 60794-3-10

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

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
GOSN212.002100	Black	2,100 m
GOSN212.004100	Black	4,100 m
GOSN212.005100	Black	5,100 m

Update and Revision:	Revision Number: 0.81 Revision Date: 09-09-2019
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