



**Product:** [GORN802](#) 

Outdoor Central Loose Tube extra-Rodent Protection 02 Fibers  
G.652D/G.657A1-OS2

### Product Description

Outdoor extra-Rodent Protection Central Loose Tube Optical Cable 02 x 9/125-G.652D/G.657A1-OS2 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 industrial backbone, campus backbone, building backbone (riser) and/or horizontal cabling. For outdoor use in networks for industrial, telecom, cable TV and/or broadcast. Easy to install in ducts, tunnels and trenches and/or tubes. Suitable for Direct Burial.

#### Construction

##### Fiber Cable Construction

Fiber Type	Fiber Grade acc. ITU-T	Fiber Count	Subunit Color	Subunit Color 2
OS2	G.652D & G.657A1	2	TIA coding (Gxxxxx.T): Natural	Europe coding (Gxxxxx.0): Natural
Fiber Color Coding:	TIA coding (Gxxxxx.T): Blue, Orange			
Fiber Color Coding 2:	Europe coding (Gxxxxx.0): Red, Natural			
Cable Core Water Tight:	Yes			
Cable Core Water Blocking:	Waterblocking Glass Yarns			
Bulk Cable Weight:	44 kg/km			

#### SubUnit Specifications

Number of Active Subunits:	1
Number of Subunit Positions:	1
Fibers Per Subunit:	2
Subunit Diameter:	3.3 mm
Subunit Waterblocking:	Gel Filled

#### Jacket Specifications

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

#### Outer Jacket

##### Outer Jacket Material

Material	Color	Nominal Diameter	Ripcord
PE - Polyethylene	Black	7.1 mm	0

Table Notes: Standard color: Black. Available colors: Black, Orange, Yellow, Turquoise, Erika Violet, Red, Blue, Green, Brown, Violet, Pink, Grey, White, Lime Green

#### Optical Characteristics

Fiber Core Diameter:	9 μm
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Max Attenuation at 1310 nm:	0.40 dB/km
Max Attenuation at 1550 nm:	0.24 dB/km
Max Attenuation at 1625 nm:	0.29 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	142 mm	IEC 60794-3-10
Cable Min. Bend Radius Operation (Long Term)	IEC 60794-1-21-E11	71 mm	IEC 60794-3-10
Cable Max. Tensile Strength Installation (Short Term)	IEC 60794-1-21-E1	3150 N (708 lbf)	IEC 60794-3-10
Cable Max. Tensile Strength Operation (Long Term)	IEC 60794-1-21-E1	1050 N (236 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
IEC Compliance:	IEC 60794
EU Directive 2011/65/EU (RoHS 2):	Compliant
UV/ Sunlight Protection:	yes

### History

Update and Revision:	Revision Number: 0.29 Revision Date: 03-30-2021
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