



**Product:** [GORMI12](#) 

Outdoor OFC CLT (gel-free tube): GLASS YARNS(3150N) + PE with 1 gel-free Tube of Ø3.3mm 12f SM OS2 G.657.B3.

## Product Description

Outdoor optical fiber Central Loose Tube (gel-free tube) cable with glass yarns (improved rodent protection) as strength member and polyethylene outer jacket. Product feature: This cable has improved rodent protection by glass yarns. Existing out of 1 gel-free Tube with a diameter of 3.3mm with 12 fibers SM OS2 G.657.B3.

## Technical Specifications

### Product Overview

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

### Material

#### Fiber Cable Construction

Fiber Type	Fiber Grade acc. ITU-T	Fiber Count	Subunit Color
OS2	G.657B3	12	TIA coding (Gxxxxxx.T): Natural

Fiber Color Code:	TIA coding (Gxxxxxx.T): Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua
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:	12
Subunit Diameter:	3.3 mm
Subunit Waterblocking:	Gel Free

### Jacket Specifications

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

### Outer Jacket Specifications

#### Outer Jacket

Material	Nominal Diameter	Ripcord
PE - Polyethylene	7.1 mm	No

Outer Jacket1 Table Notes:	Standard color: Orange. Available colors: Orange, Yellow, Turquoise, Erika Violet, Red, Blue, Green, Brown, Violet, Pink, Grey, White, Black, Lime Green
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### Optical Characteristics

Maximum Attenuation at 1310 nm:	0.40 dB/km
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Maximum Attenuation at 1550 nm:	0.30 dB/km
Maximum Attenuation at 1625 nm:	0.30 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 Temperature Range:	-30 °C to +70 °C
Installation Temperature Range:	-5 °C to +50 °C
Storage Temperature Range:	-30 °C to +70 °C

### Standards

UL Rating/Flame Test:	Non-UL Rated
REACH:	Compliant
ISO/IEC Compliance:	IEC 60794, ISO/IEC 11801-1
EU Directive 2011/65/EU (RoHS 2):	Compliant
UV/ Sunlight Protection:	Yes

### History

Update and Revision:	Revision Number: 0.4 Revision Date: 08-21-2025
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