



**Product:** [GOSN102](#) 

Outdoor OFC CLT (jelly filled): GLASS YARNS(1500N) + PE with 1 Tube of Ø3.3mm 2f MM OM1.

## Product Description

Outdoor optical fiber Central Loose Tube (jelly filled tube) cable with glass yarns (standard rodent protection) as strength member and polyethylene outer jacket. Product feature: This cable has standard rodent protection by glass yarns. Existing out of 1 Tube with a diameter of 3.3mm with 2 fibers MM OM1.

## 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 Count	Subunit Color
OM1	2	TIA coding (Gxxxxx.T): Natural
Fiber Color Coding:	TIA coding (Gxxxxx.T): Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua	
Cable Core Water Tight:	Yes	
Cable Core Waterblocking:	Waterblocking Glass Yarns	
Bulk Cable Weight:	28 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 Specifications

#### Outer Jacket

Material	Color	Nominal Diameter	Nominal Wall Thickness	Ripcord
PE - Polyethylene	Black	5.8 mm	0.8 mm	No
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

Max. Attenuation at 1300 nm:	0.9 dB/km
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Max. Attenuation at 850 nm:	3.4 dB/km
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## 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	1500 N (337 lbf)	IEC 60794-3-10
Cable Max. Tensile Strength Operation (Long Term)	IEC 60794-1-21-E1	500 N (112 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

### Related Part Numbers

#### Variants

Item #	Color	Put-Up Type	Length	EAN
GOSN102.002100	Black	Reel	2,100 m	8719605078407
GOSN102.004100	Black	Reel	4,100 m	8719605078414

### History

Update and Revision:	Revision Number: 0.137 Revision Date: 09-17-2024
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