



Product: [GMSN812](#)

Outdoor OFC CLT (jelly filled): GLASS YARNS + PUR with 1 Tube of Ø3.3mm
12f SM OS2 G.652.D & G.657.A1.

Product Description

Outdoor (PUR jacket) optical fiber Central Loose Tube (jelly filled tube) cable with glass yarns as strength member and polyurethane outer jacket. Existing out of 1 Tube with a diameter of 3.3mm with 12 fibers SM OS2 G.652.D & G.657.A1.

Technical Specifications

Product Overview

Construction Type:	Central Loose Tube
Environmental Space:	Indoor/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.

Construction

Fiber Cable Construction

Fiber Type	Fiber Grade acc. ITU-T	Fiber Count	Subunit Color
OS2	G.652D & G.657A1	12	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 + Tape
Bulk Cable Weight:	40 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 Specifications

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PUR - Polyurethane	6.3 mm	1 mm	No

Optical Characteristics

Max. Attenuation at 1310 nm:	0.39 dB/km
Max. Attenuation at 1550 nm:	0.24 dB/km

Max. Attenuation at 1625 nm:	0.29 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	94.5 mm	IEC 60794-2-20
Cable Min. Bend Radius Operation (Long Term)	IEC 60794-1-21-E11	63 mm	IEC 60794-2-20
Cable Max. Tensile Strength Installation (Short Term)	IEC 60794-1-21-E1	1500 N (337 lbf)	IEC 60794-2-20
Cable Max. Tensile Strength Operation (Long Term)	IEC 60794-1-21-E1	500 N (112 lbf)	IEC 60794-2-20
Cable Max. Crush Resistance Installation (Short Term)	IEC 60794-1-21-E3	15 kN/m	IEC 60794-2-20
Cable Max. Crush Resistance Operation (Long Term)	IEC 60794-1-21-E3	7.5 kN/m	IEC 60794-2-20

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
GMSN812.002100	Black	Reel	2,100 m	8719605076588

History

Update and Revision:	Revision Number: 0.175 Revision Date: 09-17-2024
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