



Product: [GOSN816](#)

Outdoor OFC CLT (jelly filled): GLASS YARNS(1500N) + PE with 1 Tube of Ø3.3mm 16f SM OS2 G.652.D & G.657.A1.

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 16 fibers SM OS2 G.652.D & G.657.A1.

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 |
|---------------------------|--|-------------|---------------------------------|
| OS2 | G.652D & G.657A1 | 16 | TIA coding (Gxxxxxx.T): Natural |
| Fiber Color Coding: | TIA coding (Gxxxxxx.T): Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua. With Ringmark: BL, OR, GR, BR | | |
| 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: | 16 |
| 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 | Ripcord |
|-------------------|---|------------------|---------|
| PE - Polyethylene | Black | 5.8 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

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|------------------------------|------------|
| Max. Attenuation at 1310 nm: | 0.39 dB/km |
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| 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 | 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

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|---------------------------------|------------------|
| 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 |
| EU Directive 2011/65/EU (RoHS 2): | Compliant |
| UV/ Sunlight Protection: | Yes |

Related Part Numbers

Variants

| Item # | Color | Put-Up Type | Length | EAN |
|----------------|-------|-------------|---------|---------------|
| GOSN816.002100 | Black | Reel | 2,100 m | 8719605078810 |

History

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|----------------------|---|
| Update and Revision: | Revision Number: 0.95 Revision Date: 12-14-2023 |
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