



Product: [GOSND04](#) 

Outdoor OFC CLT (jelly filled): GLASS YARNS(1500N) + PE with 1 Tube of Ø3.3mm 4f MM OM3.

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. Existing out of 1 Tube with a diameter of 3.3mm with 4 fibers MM OM3.

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 | Subunit Color 2 |
|----------------------------|--|--------------------------------|-----------------------------------|
| OM3 | 4 | TIA coding (Gxxxxx.T): Natural | Europe coding (Gxxxxx.0): Natural |
| Fiber Color Coding: | TIA coding (Gxxxxx.T): Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua | | |
| Fiber Color Coding 2: | Europe coding (Gxxxxx.0): Red, Natural, Yellow, Blue, Green, Violet, Brown, Black, Orange, Aqua, Pink, White | | |
| Cable Core Water Tight: | Yes | | |
| Cable Core Water Blocking: | Waterblocking Glass Yarns | | |
| Bulk Cable Weight: | 28 kg/km | | |

SubUnit Specifications

| | |
|------------------------------|------------|
| Number of Active Subunits: | 1 |
| Number of Subunit Positions: | 1 |
| Fibers Per Subunit: | 4 |
| 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 | Nominal Wall Thickness | Ripcord |
|-------------------|---|------------------|------------------------|---------|
| PE - Polyethylene | Black | 5.8 mm | 0.8 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

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|----------------------|-------|
| Fiber Core Diameter: | 50 µm |
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|-----------------------------|-----------|
| Max Attenuation at 1300 nm: | 1.0 dB/km |
| Max Attenuation at 850 nm: | 2.9 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 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 |
| ISO/IEC Compliance: | IEC 60794 |
| EU Directive 2011/65/EU (RoHS 2): | Compliant |
| UV/ Sunlight Protection: | yes |

Part Number

Variants

| Item # | Color | Put-Up Type | Length | EAN |
|----------------|-------|-------------|---------|---------------|
| GOSND04.002100 | Black | Reel | 2,100 m | 8719605078872 |
| GOSND04.004100 | Black | Reel | 4,100 m | 8719605078889 |

History

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| Update and Revision: | Revision Number: 0.118 Revision Date: 07-19-2021 |
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