



Product: [GSKHF06](#) 

Outdoor OFC MLT: ARAMID + PE + ALPOL-PE-PA + CST + PE with 6 Tubes of Ø1.9mm 6f SM OS2 G.657.A2.

Product Description

Outdoor dry core optical fiber Multi Loose Tube cable with aramid yarns as strength member, Tri-Barrier (laminate layer of aluminum, high density polyethylene and polyamide), polyethylene inner jacket, Corrugated Steel Tape (Full Rodent Protected) armor and polyethylene outer jacket. Product feature: This cable has improved rodent protection by Corrugated Steel Tape (Full Rodent Protected), termite protection by polyamide layer and has Tri-Barrier (laminate layer of aluminum, high density polyethylene and polyamide). Existing out of 6 tubes with a diameter of 1.9mm with 6 fibers (1t x 6f) SM OS2 G.657.A2.

Technical Specifications

Product Overview

| | |
|------------------------|---|
| Construction Type: | Multi 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.657A2 | 6 | TIA coding (Gxxxxx.T): Blue |

| | |
|---------------------------|--|
| Fiber Color Coding: | TIA coding (Gxxxxx.T): Blue, Orange, Green, Brown, Gray, White |
| Central Strength Member: | GRP |
| Cable Core Water Tight: | Yes |
| Cable Core Waterblocking: | Waterblocking Glass Yarns + Tape |
| Bulk Cable Weight: | 332 kg/km |

SubUnit Specifications

| | |
|------------------------------|------------|
| Number of Active Subunits: | 1 |
| Number of Subunit Positions: | 6 |
| Fibers Per Subunit: | 6 |
| Subunit Diameter: | 1.9 mm |
| Subunit Waterblocking: | Gel Filled |

Jacket Specifications

| | |
|--------------------|-----------------------|
| Number of Jackets: | Triple Jacket |
| Type of Armor: | Corrugated Steel Tape |

Inner Jacket

| | |
|------------------------|-------------------|
| Material: | PE - Polyethylene |
| Material@InnerJacket2: | PE - Polyethylene |

Outer Jacket Specifications

Outer Jacket

| Material | Color | Nominal Diameter | Ripcord |
|-------------------|-------|------------------|---------|
| PE - Polyethylene | Black | 17.5 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: | 0.40 dB/km |
| Max. Attenuation at 1550 nm: | 0.30 dB/km |
| Max. 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 | 350 mm | IEC 60794-3-10 |
| Cable Min. Bend Radius Operation (Long Term) | IEC 60794-1-21-E11 | 350 mm | IEC 60794-3-10 |
| Cable Max. Tensile Strength Installation (Short Term) | IEC 60794-1-21-E1 | 2700 N (607 lbf) | IEC 60794-3-10 |
| Cable Max. Tensile Strength Operation (Long Term) | IEC 60794-1-21-E1 | 900 N (202 lbf) | IEC 60794-3-10 |
| Cable Max. Crush Resistance Installation (Short Term) | IEC 60794-1-21-E3 | 20 kN/m | IEC 60794-3-10 |
| Cable Max. Crush Resistance Operation (Long Term) | IEC 60794-1-21-E3 | | 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 60794-1-1 |
| EU Directive 2011/65/EU (RoHS 2): | Compliant |
| UV/ Sunlight Protection: | Yes |

History

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|----------------------|---|
| Update and Revision: | Revision Number: 0.17 Revision Date: 05-20-2024 |
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