



Product: [GAAGD12](#) 

Outdoor (ADSS) OFC MLT: ARAMID + PE with 6 Tubes of Ø1.9mm 12f MM OM3.

Product Description

Outdoor dry core (ADSS) optical fiber Multi Loose Tube cable with aramid yarns as strength member and polyethylene outer jacket. Product feature: This cable has all dielectric and self-supporting properties. Existing out of 6 tubes with a diameter of 1.9mm with 12 fibers (2t x 6f) MM OM3.

Technical Specifications

Product Overview

| | |
|------------------------|---|
| Construction Type: | Multi Loose Tube |
| Environmental Space: | Outdoor |
| Suitable Applications: | All dielectric self-supporting cable (ADSS) for Outdoor use. Particularly suitable for installation between poles with a max span of 150m. Initial sag at 20°C: 1% of span. |

Construction

Fiber Cable Construction

| Fiber Type | Fiber Count | Subunit Color |
|---------------------------|--|-------------------------------------|
| OM3 | 12 | TIA coding (Gxxxxx.T): Blue, Orange |
| 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 Aramid Yarns + Tape | |
| Bulk Cable Weight: | 72 kg/km | |

SubUnit Specifications

| | |
|------------------------------|------------|
| Number of Active Subunits: | 2 |
| Number of Subunit Positions: | 6 |
| Fibers Per Subunit: | 6 |
| Subunit Diameter: | 1.9 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 | 10.3 mm | Yes |

Optical Characteristics

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|------------------------------|-----------|
| Max. Attenuation at 1300 nm: | 0.9 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 | 206 mm | IEC 60794-3-10 |
| Cable Min. Bend Radius Operation (Long Term) | IEC 60794-1-21-E11 | 206 mm | IEC 60794-3-10 |
| Cable Max. Tensile Strength Installation (Short Term) | IEC 60794-1-21-E1 | 2550 N (573 lbf) | IEC 60794-3-10 |
| Cable Max. Tensile Strength Operation (Long Term) | IEC 60794-1-21-E1 | 850 N (191 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 |

History

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| Update and Revision: | Revision Number: 0.50 Revision Date: 09-17-2024 |
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