



**Product:** [GSKH232](#) 

Outdoor OFC MLT: ARAMID + PE + ALPOL-PE-PA + CST + PE with 6 Tubes of Ø1.9mm 32f MM OM2.

## Product Description

Outdoor dry core optical fiber Multi Loose Tube cable with aramid yarns as strength member, Tri-Barrier (lamine 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 (lamine layer of aluminum, high density polyethylene and polyamide). Existing out of 6 tubes with a diameter of 1.9mm with 32 fibers (4t x 8f) MM OM2.

## 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 Count | Subunit Color                              |
|------------|-------------|--|
| OM2        | 32          | TIA coding (Gxxxxx.T): Blue, Orange, Green |

|                           |  |
|---------------------------|--|
| Fiber Color Coding:       | TIA coding (Gxxxxx.T): Blue, Orange, Green, Brown, Gray, White, Red, Black |
| 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:   | 3          |
| Number of Subunit Positions: | 6          |
| Fibers Per Subunit:          | 8          |
| 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

|                              |           |
|------------------------------|-----------|
| 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  | 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, ISO/IEC 11801-1 |
| EU Directive 2011/65/EU (RoHS 2): | Compliant                  |
| UV/ Sunlight Protection:          | Yes                        |

## History

|                      |   |
|----------------------|---|
| Update and Revision: | Revision Number: 0.19 Revision Date: 09-17-2024 |
|----------------------|---|

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