



Product: [GMTTI04](#) 

Outdoor Tactical tight buffered (core bonded design) PUR jacket 4f SM OS2 G.657.B3.

Product Description

Outdoor Tactical tight buffered optical fiber cable with core bonded design with Polyurethane (PUR) outer jacket. 4 fibers SM OS2 G.657.B3.

Technical Specifications

Product Overview

| | |
|------------------------|---|
| Construction Type: | Tactical |
| Environmental Space: | Indoor/Outdoor |
| Suitable Applications: | For outdoor and indoor use. These metal-free mobile cables have been designed for de-spooling and re-spooling repeatedly. Support all computer network applications such as FDDI, Gigabit Ethernet and ATM Easy to install. Not Recommended for direct burial. Core-bonded Polyurethane jacket providing simple installation. |

Construction

Fiber Cable Construction

| Fiber Type | Fiber Grade acc. ITU-T | Fiber Count |
|------------|------------------------|-------------|
| OS2 | G.657B3 | 4 |

| | |
|---------------------|---|
| Fiber Color Coding: | TIA coding (Gxxxxx.T): Blue, Orange, Green, Brown |
|---------------------|---|

Buffer Specification

| Fiber Type | Buffer Construction | Buffer Material | Buffer Diameter |
|------------|---------------------|-----------------|-----------------|
| OS2 | Tight | Nylon | 0.9 mm |

| | |
|---------------------------|----------------------------|
| Cable Core Water Tight: | Yes |
| Cable Core Waterblocking: | Waterblocking Aramid Yarns |
| Bulk Cable Weight: | 31 kg/km |

Jacket Specifications

| | |
|--------------------|---------------|
| Number of Jackets: | Single Jacket |
| Type of Armor: | Non-Armored |

Outer Jacket Specifications

Outer Jacket

| Material | Color | Nominal Diameter | Ripcord |
|--------------------|-------|------------------|---------|
| PUR - Polyurethane | Black | 5.8 mm | Yes |

Optical Characteristics

| | |
|------------------------------|------------|
| 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 | 46.2 mm | |
| Cable Min. Bend Radius Operation (Long Term) | IEC 60794-1-21-E11 | 23.2 mm | |
| Cable Max. Tensile Strength Installation (Short Term) | IEC 60794-1-21-E1 | 1650 N (371 lbf) | |
| Cable Max. Tensile Strength Operation (Long Term) | | 550 N (124 lbf) | |
| Cable Max. Crush Resistance Installation (Short Term) | IEC 60794-1-21-E3 | 5 kN/m | IEC 60794-2-20 |
| Cable Max. Crush Resistance Operation (Long Term) | IEC 60794-1-21-E3 | 3 kN/m | IEC 60794-2-20 |

Temperature Range

| | |
|---------------------------------|------------------|
| Operating Temperature Range: | -70 °C to +85 °C |
| Installation Temperature Range: | -5 °C to +50 °C |
| Storage Temperature Range: | -70 °C to +85 °C |

Standards

| | |
|-----------------------------------|----------------------------|
| UL Rating/Flame Test: | Non-UL Rated |
| IEC Flammability: | IEC 60332-1-2 |
| 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: 0.55 Revision Date: 09-17-2024 |
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