



Product: [GMITT208](#) 

Outdoor Tactical tight buffered (core bonded design) PUR jacket 8f MM OM2.

Product Description

Outdoor Tactical tight buffered optical fiber cable with core bonded design with Polyurethane (PUR) outer jacket. 8 fibers MM OM2.

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 Count |
|------------|-------------|
| OM2 | 8 |

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

Buffer Specification

| Fiber Type | Buffer Construction | Buffer Material | Buffer Diameter |
|------------|---------------------|-----------------|-----------------|
| OM2 | Tight | Nylon | 0.9 mm |

| | |
|---------------------------|----------------------------|
| Cable Core Water Tight: | Yes |
| Cable Core Waterblocking: | Waterblocking Aramid Yarns |
| Bulk Cable Weight: | 41 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 | 7.0 mm | Yes |

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 | 56 mm | |

| | | | |
|---|--------------------|------------------|----------------|
| Cable Min. Bend Radius Operation (Long Term) | IEC 60794-1-21-E11 | 28 mm | |
| Cable Max. Tensile Strength Installation (Short Term) | IEC 60794-1-21-E1 | 1950 N (438 lbf) | |
| Cable Max. Tensile Strength Operation (Long Term) | | 650 N (146 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: 0.56 Revision Date: 09-17-2024 |
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