



Product: [GMRT204](#) 

Outdoor Tactical tight buffered OFC: GLASS YARNS (impr. rodent protection)
PUR jacket 4f MM OM2.

Product Description

Outdoor Tactical tight buffered optical fiber cable with glass yarns as strength member and improved rodent protection with Polyurethane (PUR) outer jacket. 4 fibers MM OM2.

Technical Specifications

Product Overview

| | |
|------------------------|--|
| Construction Type: | Tactical |
| Environmental Space: | Indoor/Outdoor |
| Suitable Applications: | For outdoor and indoor use. These metal-free tactical 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 inner and outer jacket providing simple installation. Glass-rovings between inner and outer jacket for improved mechanical strength. |

Construction

Fiber Cable Construction

| Fiber Type | Fiber Count |
|------------|-------------|
| OM2 | 4 |

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

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 + Glass Yarns

Bulk Cable Weight:

88 kg/km

Jacket Specifications

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

Inner Jacket

| | |
|-----------|--------------------|
| Material: | PUR - Polyurethane |
|-----------|--------------------|

Outer Jacket Specifications

Outer Jacket

| Material | Color | Nominal Diameter | Ripcord |
|--------------------|-------|------------------|---------|
| PUR - Polyurethane | Black | 9.2 mm | No |

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 | 73.6 mm | |
| Cable Min. Bend Radius Operation (Long Term) | IEC 60794-1-21-E11 | 36.8 mm | |
| Cable Max. Tensile Strength Installation (Short Term) | IEC 60794-1-21-E1 | 2400 N (540 lbf) | IEC 60794-2-20 |
| Cable Max. Tensile Strength Operation (Long Term) | | 800 N (180 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 |
| REACH: | Compliant |
| ISO/IEC Compliance: | IEC 60794, ISO/IEC 11801-1 |
| EU Directive 2011/65/EU (RoHS 2): | Compliant |
| UV/ Sunlight Protection: | Yes |

Related Part Numbers

Variants

| Item # | Color | Put-Up Type | Length | EAN |
|----------------|-------|-------------|---------|---------------|
| GMRT204.002100 | Black | Reel | 2,100 m | 8719605076441 |

History

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|----------------------|--|
| Update and Revision: | Revision Number: 0.132 Revision Date: 09-17-2024 |
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