



**Product:** [GMRTD06](#) 

Outdoor Tactical tight buffered OFC: GLASS YARNS (impr. rodent protection)  
PUR jacket 6f MM OM3.

## Product Description

Outdoor Tactical tight buffered optical fiber cable with glass yarns as strength member and improved rodent protection with Polyurethane (PUR) outer jacket. 6 fibers MM OM3.

## Technical Specifications

### Product Overview

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Fiber Specifications

|                            |                                                                |
|----------------------------|----------------------------------------------------------------|
| Fiber Type:                | OM3                                                            |
| Fiber Buffer Material:     | Nylon                                                          |
| Fiber Buffer Construction: | Tight                                                          |
| Fiber Buffer Diameter:     | 0.9 mm                                                         |
| Fiber Count:               | 6                                                              |
| Fiber Color Coding:        | TIA coding (Gxxxxx.T): Blue, Orange, Green, Brown, Gray, White |

### Cable Construction

|                            |                                          |
|----------------------------|------------------------------------------|
| Cable Core Water Blocking: | Waterblocking Aramid Yarns + Glass Yarns |
|----------------------------|------------------------------------------|

### Inner Jacket Specifications

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

### Outer Jacket Specifications

|                  |                    |
|------------------|--------------------|
| Jacket Material: | PUR - Polyurethane |
| Nom. Diameter:   | 9.9 mm (0.39 in)   |

### Optical Characteristics

| Wavelength       | 850 nm    | 1300 nm   |
|------------------|-----------|-----------|
| Max. Attenuation | 2.9 dB/km | 0.9 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  | 79.2 mm           |                                   |
| Cable Min. Bend Radius Operation (Long Term)          | IEC 60794-1-21-E11 | 39.6 mm           |                                   |
| Cable Max. Tensile Strength Installation (Short Term) | IEC 60794-1-21-E1  | 2700 N (610 lbf)  | IEC 60794-2-20                    |
| Cable Max. Tensile Strength Operation (Long Term)     |                    | 900 N (200 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                    |

|                    |                          |
|--------------------|--------------------------|
| Bulk Cable Weight: | 99 kg/km (67 lbs/1000ft) |
|--------------------|--------------------------|

## Temperature Range

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

## Standards and Compliance

|                            |                           |
|----------------------------|---------------------------|
| Environmental Suitability: | Indoor/Outdoor            |
| ISO/IEC Compliance:        | IEC 60794/ISO/IEC 11801-1 |

## History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.152 Revision Date: 09-26-2025 |
|----------------------|--------------------------------------------------|

## Part Numbers

### Variants

| Item #         | Color | Putup Type | Length  | EAN           |
|----------------|-------|------------|---------|---------------|
| GMRTD06.002100 | Black | Reel       | 2,100 m |               |
| GMRTD06.T02100 | Black | Reel       | 2,100 m | 8719605224019 |

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