



**Product:** [GMTTA04](#)

Outdoor Tactical tight buffered (core bonded design) PUR jacket 4f SM OS2 G.652.D & G.657.A1.

## Product Description

Outdoor Tactical tight buffered optical fiber cable with core bonded design with Polyurethane (PUR) outer jacket. 4 fibers SM OS2 G.652.D & G.657.A1.

## 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.652D & G.657A1       | 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  | 46.4 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                        |

## Related Part Numbers

### Variants

| Item #         | Color         | Put-Up Type | Length  | EAN           |
|----------------|---------------|-------------|---------|---------------|
| GMTTA04.012100 | Black, Glossy | Reel        | 2,100 m | 8719605076717 |

## History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.162 Revision Date: 09-17-2024 |
|----------------------|--|

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