



Product: [GMTTE04](#)

Outdoor Tactical 04 Fibers OM4

Product Description

Outdoor Tactical Tight Optical Cable 04 x 50/125-OM4-BI A/I-V(ZN)11Y

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 |
|-----------------------|---|
| OM4 | 4 |
| Fiber Color Coding: | TIA coding (Gxxxxxx.T): Blue, Orange, Green, Brown |
| Fiber Color Coding 2: | Europe coding (Gxxxxxx.0): Red, Natural, Yellow, Blue |

Buffer Specification

| Fiber Type | Buffer Construction | Buffer Material | Buffer Diameter |
|----------------------------|----------------------------|-----------------|-----------------|
| OM4 | Tight | PA - Polyamide | 0.9 mm |
| Cable Core Water Tight: | Yes | | |
| Cable Core Water Blocking: | Waterblocking Aramid Yarns | | |
| Bulk Cable Weight: | 31 kg/km | | |

Jacket Specifications

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

Outer Jacket

Outer Jacket Material

| Material | Color | Nominal Diameter | Ripcord |
|--------------------|-------|------------------|---------|
| PUR - Polyurethane | Black | 5.8 mm | 1 |

Optical Characteristics

| | |
|-----------------------------|-----------|
| Fiber Core Diameter: | 50 µm |
| Max Attenuation at 1300 nm: | 1.0 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 | 43.2 mm | |
| Cable Min. Bend Radius Operation (Long Term) | IEC 60794-1-21-E11 | 21.6 mm | |
| Cable Max. Tensile Strength Installation (Short Term) | IEC 60794-1-21-E1 | 400 N (90 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 Temp Range: | -55 °C to +85 °C |
| Installation Temp Range: | -5 °C to +50 °C |
| Storage Temp Range: | -70 °C to +85 °C |

Standards

| | |
|------------------------------------|--------------|
| UL Rating/Flame Test: | Non-UL Rated |
| REACH: | Compliant |
| IEC Compliance: | IEC 60794 |
| EU Directive 2011/65/EU (ROHS II): | Compliant |
| UV/ Sunlight Protection: | yes |

Part Number

Variants

| Item # | Color | Length |
|----------------|-------|---------|
| GMTTE04.002100 | Black | 2,100 m |

History

Update and Revision: Revision Number: 0.70 Revision Date: 10-12-2020

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