# BELDEN
## SENDING ALL THE RIGHT SIGNALS

IMAGE COMING SOON

**Part Number:** GMRTD12

Outdoor Heavy Duty Tactical 12 Fibers OM3

## Product Description

Outdoor Heavy Duty Tactical Optical Cable 12 x 50/125-OM3-BI A/I-V(ZN)11Y(ZN)11Y

## Technical Specifications

### Product Overview

| | |
|---|---|
| Construction Type: | Tactical |
| Environmental Space: | Indoor/Outdoor |
| Suitable Applications: | 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 |
|---|---|
| OM3 | 12 |

| | |
|---|---|
| Fiber Type: | OM3 |
| Fiber Count: | 12 |
| Fiber Color Coding: | TIA coding (Gxxxxxx.T): Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua |
| Fiber Color Coding 2: | Europe coding (Gxxxxxx.0): Red, Natural, Yellow, Blue, Green, Violet, Brown, Black, Orange, Aqua, Pink, White |

**Buffer Specification**

| Fiber Type | Buffer Construction | Buffer Material | Buffer Diameter |
|---|---|---|---|
| OM3 | Tight | PA - Polyamide | 0.9 mm |

| | |
|---|---|
| Cable Core Water Blocking: | Waterblocking Aramid Yarns + Glass Yarns |
| Bulk Cable Weight: | 104 kg/km |

### Jacket Specifications

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|---|---|
| Number of Jackets: | Double Jacket |
| Type of Armor: | Non-Armored |
| Nominal Diameter@InnerJacket1: | 8.2 mm |
| Material@InnerJacket1: | PUR - Polyurethane |

**Outer Jacket Material**

| Material | Nominal Diameter | Ripcord |
|---|---|---|
| PUR - Polyurethane | 10.9 mm | 0 |

### 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

| | |
|---|---|
| Min Bend Radius During Installation: | 87.2 mm |

| | |
|---|---|
| Min Bend Radius During Operation: | 43.6 mm |
| Max Tensile Strength During Installation: | 1030 N (232 lbf) |

## 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 |

## Tensile Strength

| | |
|---|---|
| Max Tensile Strength During Inst - Test Standard: | IEC 60794-1-21-E1 |

## Standards

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

## History

**Variants**

| Item # | Color |
|---|---|
| GMRTD12.002100 | Black |