



**Product:** [GMBT104](#)

Outdoor Breakout 04 Fibers OM1

### Product Description

Outdoor Tactical Tight Breakout Optical Cable 04 x 62.5/125-OM1 A/I-V(ZN)H11Y

### 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.

#### Construction

##### Fiber Cable Construction

Fiber Type	Fiber Count
OM1	4

Fiber Color Coding:	TIA coding (Gxxxxx.T): Blue, Orange, Green, Brown
Fiber Color Coding 2:	Europe coding (Gxxxxx.0): Red, Natural, Yellow, Blue

##### Buffer Specification

Fiber Type	Buffer Construction	Buffer Material	Buffer Diameter
OM1	Tight	Nylon	0.9 mm

Cable Core Water Tight:	Yes
Cable Core Water Blocking:	Waterblocking Aramid Yarns + Tape
Bulk Cable Weight:	42 kg/km

#### Jacket Specifications

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

#### Outer Jacket

##### Outer Jacket Material

Material	Nominal Diameter	Ripcord
PUR - Polyurethane	7.8 mm	1

#### Optical Characteristics

Fiber Core Diameter:	62.5 μm
Max Attenuation at 1300 nm:	1.2 dB/km
Max Attenuation at 850 nm:	3.4 dB/km

#### Mechanical Characteristics

##### Mechanical Tests

Description	Tested Standard	Requirement/Value	According to Family Specification
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Cable Min. Bend Radius Installation (Short Term)	IEC 60794-1-21-E6	156 mm	IEC 60794-2-20
Cable Min. Bend Radius Operation (Long Term)	IEC 60794-1-21-E11	78 mm	IEC 60794-2-20
Cable Max. Tensile Strength Installation (Short Term)	IEC 60794-1-21-E1	420 N (94 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:	-30 °C to +70 °C
Installation Temp Range:	-5 °C to +50 °C
Storage Temp Range:	-30 °C to +70 °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

## History

Update and Revision:	Revision Number: 0.3 Revision Date: 12-01-2020
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