



**Part Number:** GMMT106

Outdoor Tactical 06 Fibers OM1

**Product Description**

Outdoor Tactical Tight Optical Cable 06 x 62.5/125-OM1 A/I-VQ(ZN)11Y

**Technical Specifications**

Construction Type:	Tactical
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**Product Overview**

Environmental Space:	Indoor/Outdoor
Suitable Applications:	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

**Construction**

**Fiber Cable Construction**

Fiber Type	Fiber Count
OM1	6

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

**Buffer Specification**

Fiber Type	Buffer Construction	Buffer Material	Buffer Diameter
OM1	Tight	PA - Polyamide	0.9 mm

Cable Core Water Tight:	Yes
Cable Core Water Blocking:	Waterblocking Glass Yarns
Bulk Cable Weight:	37 kg/km

**Jacket Specifications**

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

**Outer Jacket Material**

Material	Nominal Diameter	Ripcord
PUR - Polyurethane	6.3 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
Cable Min. Bend Radius Installation (Short Term)	IEC 60794-1-21-E6	50.4 mm	
Cable Min. Bend Radius Operation (Long Term)	IEC 60794-1-21-E11	25.2 mm	
Cable Max. Tensile Strength Operation (Long 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
ISO/IEC Compliance:	IEC 60794
EU Directive 2011/65/EU (ROHS II):	Compliant
UV/ Sunlight Protection:	yes

## History

### Variants

Item #	Color	Length
GMMT106.012100	Black	2,100 m
GMMT106.002100	Orange	2,100 m

Update and Revision: Revision Number: 0.50 Revision Date: 10-14-2019

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