



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 (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
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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