



**Product:** [GMTTF12](#)

Outdoor Tactical tight buffered (core bonded design) PUR jacket 12f SM OS2 G.657.A2.

### Product Description

Outdoor Tactical tight buffered optical fiber cable with core bonded design with Polyurethane (PUR) outer jacket. 12 fibers SM OS2 G.657.A2.

### 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 Grade acc. ITU-T	Fiber Count
OS2	G.657A2	12

Fiber Color Coding:	TIA coding (Gxxxxx.T): Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua
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##### Buffer Specification

Fiber Type	Buffer Construction	Buffer Material	Buffer Diameter
OS2	Tight	Nylon	0.9 mm

Cable Core Water Tight:	Yes
Cable Core Waterblocking:	Waterblocking Aramid Yarns
Bulk Cable Weight:	60 kg/km

#### Jacket Specifications

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

#### Outer Jacket Specifications

##### Outer Jacket

Material	Color	Nominal Diameter	Ripcord
PUR - Polyurethane	Black	8.2 mm	Yes

#### Optical Characteristics

Max. Attenuation at 1310 nm:	0.40 dB/km
Max. Attenuation at 1550 nm:	0.30 dB/km
Max. Attenuation at 1625 nm:	0.30 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	65.6 mm	
Cable Min. Bend Radius Operation (Long Term)	IEC 60794-1-21-E11	32.8 mm	
Cable Max. Tensile Strength Installation (Short Term)	IEC 60794-1-21-E1	2250 N (506 lbf)	
Cable Max. Tensile Strength Operation (Long Term)		750 N (169 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 Temperature Range:	-70 °C to +85 °C
Installation Temperature Range:	-5 °C to +50 °C
Storage Temperature Range:	-70 °C to +85 °C

## Standards

UL Rating/Flame Test:	Non-UL Rated
IEC Flammability:	IEC 60332-1-2
REACH:	Compliant
ISO/IEC Compliance:	IEC 60794, ISO/IEC 11801-1
EU Directive 2011/65/EU (RoHS 2):	Compliant
UV/ Sunlight Protection:	Yes

## History

Update and Revision:	Revision Number: 0.56 Revision Date: 09-17-2024
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