



Product: [GMRTD12](#) 

Outdoor Tactical tight buffered OFC: GLASS YARNS (impr. rodent protection)
PUR jacket 12f MM OM3.

Product Description

Outdoor Tactical tight buffered optical fiber cable with glass yarns as strength member and improved rodent protection with Polyurethane (PUR) outer jacket. 12 fibers MM OM3.

Technical Specifications

Product Overview

Suitable Applications:	For outdoor and indoor use. 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.
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Fiber Specifications

Fiber Type:	OM3
Fiber Buffer Material:	Nylon
Fiber Buffer Construction:	Tight
Fiber Buffer Diameter:	0.9 mm
Fiber Count:	12
Fiber Color Coding:	TIA coding (Gxxxxx.T): Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua

Cable Construction

Cable Core Water Blocking:	Waterblocking Aramid Yarns + Glass Yarns
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Inner Jacket Specifications

Material:	PUR - Polyurethane
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Outer Jacket Specifications

Jacket Material:	PUR - Polyurethane
Nom. Diameter:	10.9 mm (0.429 in)

Optical Characteristics

Wavelength	850 nm	1300 nm
Max. Attenuation	2.9 dB/km	0.9 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	87.2 mm	
Cable Min. Bend Radius Operation (Long Term)	IEC 60794-1-21-E11	43.6 mm	
Cable Max. Tensile Strength Installation (Short Term)	IEC 60794-1-21-E1	3300 N (740 lbf)	IEC 60794-2-20
Cable Max. Tensile Strength Operation (Long Term)		1100 N (250 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

Bulk Cable Weight:	103 kg/km (69.2 lbs/1000ft)
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Temperature Range

Installation Temperature Range:	-5 °C to +50 °C
Operating Temperature Range:	-70 °C to +85 °C
Storage Temperature Range:	-70 °C to +85 °C

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor
ISO/IEC Compliance:	IEC 60794/ISO/IEC 11801-1

History

Update and Revision:	Revision Number: 0.204 Revision Date: 09-26-2025
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Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
GMRTD12.002100	Black	Reel	2,100 m	8719605076519

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