



Part Number: GMRTD12

Outdoor Heavy Duty Tactical 12 Fibers OM3

Product Description

Outdoor Heavy Duty Tactical Optical Cable 12 x 50/125-OM3-BI A/I-V(ZN)11Y(ZN)11Y

Technical Specifications

Product Overview

Construction Type:	Tactical
Environmental Space:	Indoor/Outdoor
Suitable Applications:	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

Construction

Fiber Cable Construction

Fiber Type	Fiber Count
OM3	12

Fiber Type:	OM3
Fiber Count:	12
Fiber Color Coding:	TIA coding (Gxxxxxx.T): Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua
Fiber Color Coding 2:	Europe coding (Gxxxxxx.0): Red, Natural, Yellow, Blue, Green, Violet, Brown, Black, Orange, Aqua, Pink, White

Buffer Specification

Fiber Type	Buffer Construction	Buffer Material	Buffer Diameter
OM3	Tight	PA - Polyamide	0.9 mm

Cable Core Water Blocking:	Waterblocking Aramid Yarns + Glass Yarns
Bulk Cable Weight:	104 kg/km

Jacket Specifications

Number of Jackets:	Double Jacket
Type of Armor:	Non-Armored
Nominal Diameter@InnerJacket1:	8.2 mm
Material@InnerJacket1:	PUR - Polyurethane

Outer Jacket Material

Material	Nominal Diameter	Ripcord
PUR - Polyurethane	10.9 mm	0

Optical Characteristics

Fiber Core Diameter:	50 μ m
Max Attenuation at 1300 nm:	1.0 dB/km
Max Attenuation at 850 nm:	2.9 dB/km

Mechanical Characteristics

Min Bend Radius During Installation:	87.2 mm
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Min Bend Radius During Operation:	43.6 mm
Max Tensile Strength During Installation:	1030 N (232 lbf)

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

Tensile Strength

Max Tensile Strength During Inst - Test Standard:	IEC 60794-1-21-E1
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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
GMRTD12.002100	Black

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