



Product: [GMMKF48](#)

Outdoor Tactical bare fiber mini distribution cable PUR jacket 48f SM OS2 G.657.A2.

Product Description

Outdoor Tactical bare fiber mini optical fiber distribution cable with Polyurethane (PUR) outer jacket. 48 fibers SM OS2 G.657.A2.

Technical Specifications

Product Overview

Construction Type:	Tactical
Environmental Space:	Indoor/Outdoor
Suitable Applications:	The individual multi fibre units (of which this metal-free cable is composed) permits direct termination with MPO connectors. Extremely strong, rugged, survivable cable for severe environments. This cable is halogen-free, watertight and therefore suitable for indoor and outdoor use. The cable combines the ruggedness of tactical cable with the ultra-high density of micro-cable technology. Designed for rapid deployment in optical networks, high mechanical performance, and suitable for extreme environmental exposure. High fiber density allows for longer deployment lengths. Longer assembly lengths reduce the number of optical connections and enhance network performance.

Construction

Fiber Cable Construction

Fiber Type	Fiber Grade acc. ITU-T	Fiber Count	Subunit Color
OS2	G.657A2	48	TIA coding (Gxxxxx.T): Blue, Orange, Green, Brown
Fiber Color Coding:	TIA coding (Gxxxxx.T): Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua		
Central Strength Member:	GRP		
Cable Core Water Tight:	No		
Cable Core Waterblocking:	Waterblocking Aramid Yarns		
Bulk Cable Weight:	58 kg/km		

SubUnit Specifications

Number of Active Subunits:	4
Number of Subunit Positions:	4
Fibers Per Subunit:	12
Subunit Diameter:	2.1 mm
Subunit Waterblocking:	Waterblocking Aramid Yarns

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	8.0 mm	Yes

Optical Characteristics

Max. Attenuation at 1310 nm:	0.40 dB/km
Max. Attenuation at 1550 nm:	0.26 dB/km
Max. Attenuation at 1625 nm:	0.29 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	120 mm	IEC 60794-2-20
Cable Min. Bend Radius Operation (Long Term)	IEC 60794-1-21-E11	80 mm	IEC 60794-2-20
Cable Max. Tensile Strength Installation (Short Term)	IEC 60794-1-21-E1	2000 N (450 lbf)	IEC 60794-2-20
Cable Max. Crush Resistance Installation (Short Term)	IEC 60794-1-21-E3	50 kN/m	IEC 60794-2-20

Temperature Range

Operating Temperature Range:	-50 °C to +80 °C
Installation Temperature Range:	-20 °C to +65 °C
Storage Temperature Range:	-50 °C to +80 °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: 0.63 Revision Date: 09-17-2024
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