



Product: [DUYULA1DE10](#)

Fault Managed Power Systems Hybrid Cable up to 12 Fibers with 1.0mm² Conductors

Product Description

Fault Managed Power Systems Hybrid Cable up to 12 Fibers in 1 Mini Distribution Sub-Unit with 250 µm Primary Coated Colored Fibers with 4 insulated 1.0mm² Conductors

Technical Specifications

Product Overview

Suitable Applications:	Fault Managed Power Systems (FMPS), Distributed Antenna Systems (DAS), Passive Optical Network (PON), Wireless Access Points (WAP), Security (Cameras), Power over long distances
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Fiber Specifications

Fiber Type:	OS2
Fiber Count:	12
Fiber Color Coding:	TIA-598-D

Fiber Construction

Subunit Strength Members:	Aramid yarns
Fibers Per Subunit:	12

Conductor Specifications

Conductor Type:	BC - Bare Copper
Number of Pairs:	2
Insulation Material:	Polyolefin (PO, PE, PP)
Nom. Insulation Diameter:	2.1 mm
Nom. Capacitance Cond-to-Cond:	77.1 pF/m

Outer Jacket Specifications

Jacket Material:	LSZH - Low Smoke Zero Halogen (Flame Retardant)
Nom. Diameter:	9.4 mm (0.37 in)
Number of Ripcords:	1

Optical Characteristics

Wavelength	1310 nm	1550 nm	1625 nm
Max. Attenuation	0.39 dB/km	0.24 dB/km	0.29 dB/km

Mechanical Characteristics

Min. Bend Radius During Installation:	20x Cable OD
Min. Bend Radius During Operation:	20x Cable OD
Max. Tensile Strength During Installation:	1500 N (340 lbf)
Bulk Cable Weight:	112 kg/km (75.3 lbs/1000ft)

Temperature Range

Installation Temperature Range:	-5 °C to +55 °C
Operating Temperature Range:	-30 °C to +55 °C

Storage Temperature Range:	-30 °C to +55 °C
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Standards and Compliance

Environmental Suitability:	Indoor/Outdoor
Flammability / Reaction to Fire:	IEC 60331-2, IEC 60332-3-22
European Halogen Free Standards:	IEC 60754-1 - Halogen Amount = Zero, IEC 60754-2 - Halogen Acid Gas Amount - Max. Conductivity = 10 , IEC 60754-2 - Halogen Acid Gas Amount - Min. pH = 4.3
European Directive Compliance:	EU Directive 2011/65/EU (RoHS 2)

History

Update and Revision:	Revision Number: 0.53 Revision Date: 03-04-2025
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