



**Product:** [DULSGA1DC25](#)

Fault Managed Power Systems Hybrid Cable up to 12 Fibers with 2.5mm<sup>2</sup> Conductors TfL S1085

**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 8 insulated 1.0mm<sup>2</sup> 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:	TC - Tinned Copper
Number of Pairs:	4
Insulation Material:	LSZH / FRNC

**Outer Jacket Specifications**

Jacket Material:	LSZH - Low Smoke Zero Halogen (Flame Retardant)
Nom. Diameter:	21 mm (0.83 in)

**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:	15x Cable OD
Max. Tensile Strength During Installation:	1100 N (250 lbf)
Bulk Cable Weight:	601 kg/km (404 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

**Standards and Compliance**

Environmental Suitability:	Indoor/Outdoor
Flammability / Reaction to Fire:	IEC 60331-2, IEC 60332-3-24
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)
Other Standard Compliance(s):	LUL 1-085

History

Update and Revision:	Revision Number: 0.70 Revision Date: 03-04-2025
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