Concordia Cables
Suppliers of Quality Assured Cables



Solar Cable – TUV Approved

Product Type:
Solar Cable

Application:
This cable is suitable for inter-connections within photovoltaic systems such as solar panel arrays. They are manufactured in accordance with various British and International Standards and are designed to withstand severe environmental conditions.

Standards:
EN50618:2014
REACH and RoHS compliant

DESCRIPTION	H1Z2Z2-K 1x10mm² Solar Cable	
P/N	6012243BLK, 6012243BLK50M	
CONDUCTOR	Material:	Tinned plated copper
	Construction:	80/0.39±0.015
	Dia.:	3.9mm
INSULATION	Material:	XLPO
	Overall Diameter:	5.5±0.1mm
	Average Thickness:	≥0.7mm
	Min. Thickness	≥0.53mm
	Colour:	Black, Red/Black
JACKET	Material:	XLPO
	Overall Diameter:	7.3±0.2mm
	Average Thickness:	≥0.8mm
	Min. Thickness	≥0.58mm
	Colour:	Black
ELECTRIC PROPERTIES	Rated Voltage:	AC1.0/1.0KV, DC1.5KV
	Rated Temperature:	-40℃ - 90℃
	Conductor Resistance @20℃	≤1.95Ω/km
	Insulation Resistance @20℃	≥420MΩ.km
	Voltage Withstand Test:	AC: 6.5KV, DC: 15KV, 5min
	Spark Electro Mechanical Voltage:	7KV
	Short-Circuit Temperature:	≤200℃/5s
INSULATION	Min Tensile Strength:	≥8.0 N/mm²
	Min. Elongation at Break	≥125%
	Flame Test:	EN60332-1-2
LIFETIME	25 years	
PACKAGING	50M/reel, 100M/reel	

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Commtech Trading Co. (Lancs) Ltd UNITS 1 & 2 COTTON HALL MILL, COTTON HALL STREET,DARWEN, BB3 0DW, UK