

Part #	TC6-1M	
Size	2 x 6mm ²	
Sectional Drawing		
Standard	TUV - 2Pfg 1169/08.2007	
Marking	PV1-F 2x6mm ² TUV Approved Solar DC Cable. Do Not Disconnect Under Load	
Conductor	Material	Tinned plated copper
	Construction (N/mm)	TS 84/0.28 ± 0.015
	Dia (mm)	3
Insulation	Material	XPLO
	Overall Diameter (mm)	4.5 ± 0.1
	Avg. Thickness (mm)	≥ 0.7
	Min. Thickness (mm)	≥ 0.53
Sheath	Colour	Black / Red
	Material	XLPO
	Overall Diameter (mm)	6.4 ± 0.3 x 13.0 ± 1
	Avg. Thickness (mm)	≥ 0.8
	Min. Thickness (mm)	≥ 0.58
Electrical Performance	Rated Voltage P(V)	AC 1.0KV - DC 1.5KV
	Rated Temp (°C)	-40°C - 90°C
	Insu. Resistance (MΩ/km, 20°C)	≥ 1000
	Standard Voltage Test	AC 6.5K - DC 15KV, 5Min
	Spark Electromechanical Voltage (KV)	7
	Short-Circuit Temperature	≤ 200°C/5s
Physical Property of Insulation	Min. Tensile Strength (N/mm ²)	≥ 8.0
	Min. Break Elongation Rate (%)	≥ 125
	Flame Test	EN60332-1-2
	Theoretical Service Life	25years
	Environment Protection	ROHS 2.0



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