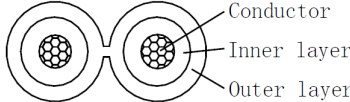


SE017A

Twin Solar DC Cable 2x6mm²

Specification Sheet

1. Construction		SOLARTWIN 6mm ²	
Rated Voltage		1000V	
Conductor	Cross-sectional	6	
	Material	Stranded Tinned Copper	
	Cond.Size	78/(0.30±0.008)	
	Stranded OD.(mm)	3.06	
Inner Layer	Material	XLPE	
	Color	Black, Red	
Outer Layer	Material	XLPE	
	OD.(mm)	5.30±0.15x10.80±0.30	
	Color	Black	
2. Physical Properties			
Item		Specification	
		Inner Layer	Outer Layer
Elongation	Un-aged	≥125%	≥125%
Strength		≥6.5Mpa	≥8Mpa
Cold bend test	(-40±2.0°C×16h)	No cracking	
Sunlight resistance	720h	Elongation and strength retention rate ≥80%	
Bending radius	≥4×Cable OD	PASS	
Ambient temperature		-40°C up to +90°C	
Content of halogen acid gas		IEC670754-1, EN50267-2-1	
Insulation resistance AT20°C		≥10 ¹⁴ Ω·cm	
Max. current AT60°C		70A	
Max.conductor temperature		120°C	
Flame test	IEC60332-1	PASS	
3. Electrical Properties			
Item	SPECIFICATION		
Conductor Resistance AT 20°C	≤3.39Ω/km		
Dielectric-withstand test	6500VAC/5min		
Spark test	10000VAC		
Inner and outer layer is inseparable.			
4. Marking			
<p>The marking content of one side is: PGK DISTRIBUTION DC SOLAR CABLE V-125 DO NOT DISCONNECT UNDER LOAD 2x6mm² TÜV PVI-F MAX DC LOAD 1000V (This is to be printed on black core of parallel cable) There is no marking on the red core. The marking content of the other side is: >1< to >100< >1< to >100< Note:The length of tail from >100< to the next starting of >1< is 1 meter.</p>			
5. Standard		TÜV 2PFG 1169/08.07 Reference Number:T50389425	
6. Packing		(a) 100m. (b) Consulting if delivering in other ways	
Part No.		SCT600-01-073	
Serial No.		001	