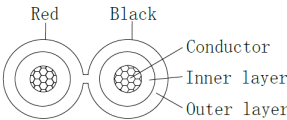


SE017B

Twin Solar DC Cable 2x10mm²

Specification Sheet

1. Construction		SOLARTWIN 10mm ²	
Rated Voltage		1000V	
Conductor	Cross-sectional	10	
	Material	Stranded Tinned Copper	
	Cond.Size	84/(0.40±0.008)	
	Stranded OD.(mm)	4.6	
Inner Layer	Material	XLPE	
	Color	Black, Red	
Outer Layer	Material	XLPE	
	OD.(mm)	8.30±0.20x16.90±0.40	
	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	
Thermal endurance properties		> 25years	
Max. current AT60°C		98A	
Max.conductor temperature		120°C	
Flame test	IEC60332-1	PASS	
3. Electrical Properties			
Item	SPECIFICATION		
Conductor Resistance AT 20°C	≤1.95Ω/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-120 DO NOT DISCONNECT UNDER LOAD 2×10mm² TÜV PVI-F MAX DC LOAD 1000V >1< PGK DISTRIBUTION DC SOLAR CABLE V-120 DO NOT DISCONNECT UNDER LOAD 2×10mm² TÜV PVI-F MAX DC LOAD 1000V >2<.....>500< (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 >500< >1< to >500< Note:The length of tail from >500< to the next starting of >1< is 1 meter.</p>			
5. Standard		TÜV 2PFG 1169/08.07 Reference Number:T50389425	
6. Packing		(a) 500m. (b) Consulting if delivering in other ways	
Part No.		SCTA10-01-037	
Serial No.		004	