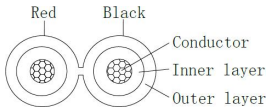


WUXI SUNVOLT TECHNOLOGY CO., LTD.

Specification For Approval

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)	5.50±0.15x11.2±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℃×16h)	No cracking	
Sunlight resistance	720h	Elongation and strength retention rate ≥80%	
Bending radius	≥4×Cable OD	PASS	
Ambient temperature		-40℃ up to +90℃	
Content of halogen acid gas		IEC670754-1, EN50267-2-1	
Insulation resistance AT20℃		≥10 ¹⁴ Ω·cm	
Thermal endurance properties		> 25years	
Max. current AT60℃		70A	
Max.conductor temperature		120℃	
Flame test	IEC60332-1	PASS	
3. Electrical Properties			
Item	SPECIFICATION		
Conductor Resistance AT 20℃	≤3.39 Ω /km		
Dielectric-withstand test	6500VAC/5min		
Spark test	10000VAC		
Inner and outer layer is inseparable.			
4. Marking			
The marking content of one side is: (+) POLE SUNVOLT ▲ TÜV 2PFG 1169 PV1-F 6mm² 1.0/1.8KVDC FOR DC USE ONLY — DO NOT DISCONNECT UNDER LOAD — 120℃ SOLAR DC CABLE (+) POLE (This is to be printed on red core of figure 8 cable) (-) POLE SUNVOLT ▲ TÜV 2PFG 1169 PV1-F 6mm² 1.0/1.8KVDC FOR DC USE ONLY — DO NOT DISCONNECT UNDER LOAD — 120℃ SOLAR DC CABLE (-) POLE (This is to be printed on black core of figure 8 cable) 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.			
5. Standard		TÜV 2PFG 1169/08.07 Reference Number: T 50445790 01	
6. Packing		(a) 100m. (b) Consulting if delivering in other ways	
Part No.		SCT600-01-002	
Serial No.		001	