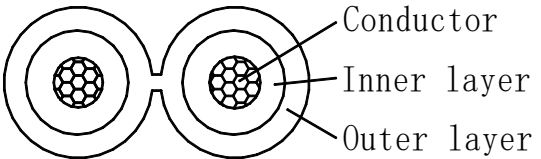


SPECIFICATION FOR APPROVAL

1. Construction		SOLARTWIN 6mm ²		Revision:	A/0	Form No.	B274
Rated Voltage		1000VDC		CONSTRUCTION D.W.G			
Conductor	Cross-sectional Area(mm ²)	6					
	Material	Stranded Tinned Copper					
	Cond.Size	7/ (0.30±0.008)					
	Stranded OD.(mm)	3.06					
Inner Layer	Material	XLPE		Inner and outer layer is inseparable			
	Color	Black, Red					
Outer Layer	Material	XLPE		4. Marking			
	OD.(mm)	5.30±0.15x10.80±0.30					
	Color	Black					
2. Physical Properties				The marking content of one side is: (+) POLE WUXI XINHONGYE ▲ TÜV 2PFG 1169 PV1-F 6mm ² 0.9/1.8KVDC WARNING — DO NOT DISCONNECT UNDER LOAD — 120 °C SOLAR DC CABLE (+) POLE (This is to be printed on red core of figure 8 cable) (-) POLE WUXI XINHONGYE ▲ TÜV 2PFG 1169 PV1-F 6mm ² 0.9/1.8KVDC WARNING — DO NOT DISCONNECT UNDER LOAD — 120 °C SOLAR DC CABLE (-) POLE (This is to be printed on black core of figure 8 cable)			
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					
				5. Standard	TÜV 2PFG 1169/08.07 Reference number:T50389425		
				6. Packing	(a) 100m. (b) Consulting if delivering in other ways		
				WUXI XINHONGYE WIRE & CABLE CO., LTD. NO.17 Hexin Road, Xishan District, Wuxi, Jiangsu, China TEL:86-510-68780888 FAX:86-510-68780858 E-mail: sales@xhycable.com			
				Part No.	SCT600-01-073		
3. Electrical Properties				Serial No.	001		
Item		SPECIFICATION		Approved	APPROVED (CUSTOMER)		
Conductor Resistance AT 20°C		≤3.39Ω/km		Checked			
Dielectric-withstand test		6500VAC/5min		Drawing			
Spark test		10000VAC		Date			