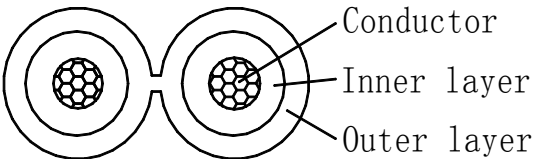




# SPECIFICATION FOR APPROVAL

<b>1. Construction</b>		SOLARTWIN 6mm <sup>2</sup>		Revision:	A/0	Form No.	B274	
Rated Voltage		1000V		<b>CONSTRUCTION D.W.G</b>				
Conductor	Cross-sectional Area(mm <sup>2</sup> )	6						
	Material	Stranded Tinned Copper						
	Cond.Size	7/ (0.30±0.008)						
	Stranded OD.(mm)	3.06						
Inner Layer	Material	XLPE		<b>Inner and outer layer is inseparable</b>				
	Color	Black, Red						
Outer Layer	Material	XLPE		<b>4. Marking</b>				
	OD.(mm)	5.30±0.15x10.80±0.30						
	Color	Black						
<b>2. Physical Properties</b>								
Item		Specification		The marking content of one side is: (+) POLE WUXI XINHONGYE  TÜV 2PFG 1169 PV1-F 6mm <sup>2</sup> 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 <sup>2</sup> 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)				
		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		<b>5. Standard</b>					
Content of halogen acid gas	IEC670754-1, EN50267-2-1							
Insulation resistance AT20°C	≥10 <sup>14</sup> Ω·cm		TÜV 2PFG 1169/08.07 Reference number:R50129983					
Max. current AT60°C	70A							
Max. conductor temperature	120°C							
Flame test	IEC60332-1	PASS						
				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				
				<b>Part No.</b>	SCT600-01-073		<b>APPROVED (CUSTOMER)</b>	
<b>3. Electrical Properties</b>				<b>Serial No.</b>	001			
Item		SPECIFICATION		<b>Approved</b>	关勇			
Conductor Resistance AT 20°C	≤3.39Ω/km		<b>Checked</b>	喻敏				
Dielectric-withstand test	6500VAC/5min		<b>Drawing</b>	顾明亚				
Spark test	10000VAC		<b>Date</b>	2016-12-30				