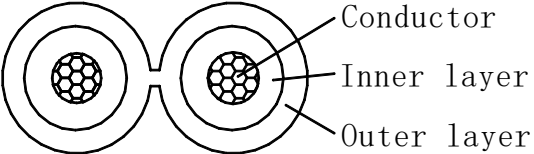


# SPECIFICATION FOR APPROVAL

<b>1. Construction</b>		SOLARTWIN 4mm <sup>2</sup>		Revision:	A/0	Form No.	B274		
Rated Voltage		1000VDC		<b>CONSTRUCTION D.W.G</b>					
Conductor	Cross-sectional Area(mm <sup>2</sup> )	4							
	Material	Stranded Tinned Copper							
	Cond.Size	52/ (0.30±0.008)							
	Stranded OD.(mm)	2.46							
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)	4.60±0.15x9.40±0.30							
	Color	Black							
<b>2. Physical Properties</b>				<b>The marking content of one side is:</b> (+) POLE WUXI XINHONGYE ▲ TÜV 2PFG 1169 PV1-F 4mm <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 parallel cable) (-) POLE WUXI XINHONGYE ▲ TÜV 2PFG 1169 PV1-F 4mm <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 parallel 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							
Thermal endurance properties		> 25years							
Insulation resistance AT20°C		≥10 <sup>14</sup> Ω·cm							
Max. current AT60°C		55A							
Max. conductor temperature		120°C							
Flame test	IEC60332-1	PASS		<b>5. Standard</b>		TÜV 2PFG 1169/08.07 Reference number:T50389425			
<b>3. Electrical Properties</b> Item SPECIFICATION Conductor Resistance AT 20°C ≤5.09Ω/km Dielectric-withstand test 6500VAC/5min Spark test 10000VAC				<b>6. Packing</b>		(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					
				<b>Part No.</b>		SCT400-01-174		<b>APPROVED (CUSTOMER)</b>	
				<b>Serial No.</b>					
				<b>Approved</b>					
				<b>Checked</b>					
				<b>Drawing</b>					
				<b>Date</b>		2016-12-30			