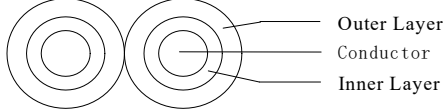


SPECIFICATION FOR APPROVAL

1.Construction		SOLARTWIN 16mm ²		Revision:	A/0	Form No.	B274
Rated Voltage		1000VDC		CONSTRUCTION D.W.G			
Conductor	Cross-sectional Area(mm ²)	16					
	Material	Stranded Tinned Copper					
	Cond.Size	128/ (0.40±0.008)					
	Stranded OD.(mm)	5.6					
Inner Layer	Material	XLPE		4.Marking			
	Color	Black, Red					
Outer Layer	Material	XLPE		The marking content of one side is: (+) POLE WUXI XINHONGYE TÜV 2 PfG 1169 PV1-F 16mm ² 0.9/1.8KVDC FOR DC USE ONLY — 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 2 PfG 1169 PV1-F 16mm ² 0.9/1.8KVDC FOR DC USE ONLY — DO NOT DISCONNECT UNDER LOAD — 120°C SOLAR DC CABLE (-) POLE (This is to be printed on black core of figure 8 cable)			
	OD.(mm)	10.20±0.30×20.70±0.50					
	Color	Black					
2. Physical Properties							
Item		Specification		5.Standard TÜV 2PfG 1169/08.07 Reference number:T50389425 6.Packing (a) 50m. (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			
		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		132A					
Max.conductor temperature		120°C					
Flame test	IEC60332-1	PASS					
3.Electrical Properties				Part No.	SCTA16-01-007		APPROVED (CUSTOMER)
Item		SPECIFICATION		Serial No.			
Conductor Resistance AT 20°C		≤1.24Ω/km		Approved			
Dielectric-withstand test		6500VAC/5min		Checked			
Spark test		10000VAC		Drawing			
				Date	2014年7月8号		