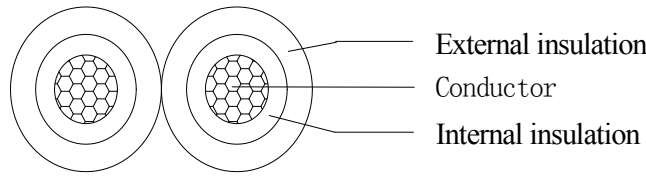


SPECIFICATION FOR APPROVAL

1.Construction		SOLARTWIN 35mm ²		Revision:	A/1	Form No.	B274
Rated Voltage		1000V		CONSTRUCTION D.W.G			
Conductor	Cross-sectional	35					
	Material	Stranded Tinned Copper					
	Cond.Size	276/（0.40±0.02）					
	Stranded OD.(mm)	8.3					
Inner Layer	Material	XLPE		Inner and outer layer is inseparable.			
	Color	Black, Red					
Outer Layer	Material	XLPE		4.Marking			
	OD.(mm)	13.80±0.25×27.80±0.50					
	Color	Black					
2. Physical Properties				(+) POLE WUXI XINHONGYE TÜV 2 PfG 1169 PV1-F 35mm ² 1.0/1.8KVDC FOR DC USE ONLY — DO NOT DISCONNECT UNDER LOAD — 120℃ SOLAR DC CABLE (+) POLE (－) POLE WUXI XINHONGYE TÜV 2 PfG 1169 PV1-F 35mm ² 1.0/1.8KVDC FOR DC USE ONLY — DO NOT DISCONNECT UNDER LOAD — 120℃ SOLAR DC CABLE (－) POLE			
Item		Specification		5.Standard			
		Inner Layer	Outer Layer				
Elongation	Un-aged	≥125%	≥125%	6.Packing			
Strength		≥6.5Mpa	≥8Mpa				
Cold bend test	(-40±2.0℃×16h)	No cracking		(a) 50m. (b) Consulting if delivering in other ways			
Sunlight resistance	720h	Elongation and strength retention rate ≥80%					
Bending radius	≥4×Cable OD	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			
Ambient temperature		-40℃ up to +90℃					
Content of halogen acid gas		IEC670754-1, EN50267-2-1					
Thermal endurance properties		> 25years					
Insulation resistance AT20℃		≥10 ¹⁴ Ω·cm					
Max. current AT60℃		196A					
Max.conductor temperature		120℃					
Flame test	IEC60332-1	PASS		Part No.	SCTA35-01-003	APPROVED (CUSTOMER)	
3.Electrical Properties				Serial No.	001		
Item		SPECIFICATION		Approved	关勇		
Conductor Resistance AT 20℃		≤0.795Ω/km		Checked	喻敏		
Dielectric-withstand test		6500VAC/5min		Drawing	顾明亚		
Spark test		10000VAC		Date	2016-11-2		