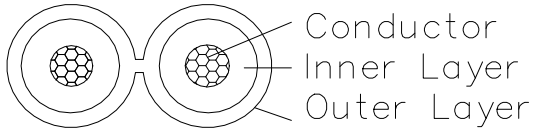
SPECIFICATION FOR APPROVAL

1.Construction		SOLARTWIN 62930 IEC 131 2×6mm²	**Revision:**	**A/0**	**Form No.**	**B274**
Rated Voltage		90℃ 1500V DC	**CONSTRUCTION D.W.G**			
Conductor	Cross-sectional	6				
	Material	Stranded Tinned Copper				
	Cond.Size	72/（0.30±0.008）				
	Stranded OD.(mm)	3.06				
Inner Layer	Material	XLPE				
	Color	Black，RED	Inner and outer layer is inseparable.			
Outer Layer	Material	XLPE	**4.Marking**			
	Min.Thickness（mm）	0.58	The marking content of one side is: (＋) POLE WUXI XINHONGYE 62930 IEC 131 6mm² HALOGEN FREE LOW SMOKE 1.5KVDC FOR DC USE ONLY — DO NOT DISCONNECT UNDER LOAD — 90℃ SOLAR DC CABLE (＋) POLE (This is to be printed on red core of parallel cable) The marking content of the other side is: (－) POLE WUXI XINHONGYE 62930 IEC 131 6mm² HALOGEN FREE LOW SMOKE 1.5KVDC FOR DC USE ONLY — DO NOT DISCONNECT UNDER LOAD — 90℃ SOLAR DC CABLE (－) POLE (This is to be printed on black core of parallel cable) The marking must not of the other side is ≥1< to >100<			
	Nominal Thickness	0.80				
	OD.(mm)	6.20±0.20×12.60±0.30				
	Color	Black				
2. Physical Properties			**5.Standard**		IEC 62930 Reference number:	
Item		Specification				
		Inner Layer / Outer Layer	**6.Packing**		(a) 100m. (b) Consulting if delivering in other ways	
Elongation	Un-aged	≥125% / ≥125%	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			
Strength	Un-aged	≥8Mpa / ≥8Mpa				
Cold bend test	(-40±2.0℃×16h)	No cracking				
Sunlight resistance	720h	Elongation and strength retention rate ≥70%				
Bending radius	≥4×Cable OD	PASS				
Ambient temperature		–40°C up to +90°C				
Content of halogen acid gas		IEC60754，EN50267-2-1				
Thermal endurance properties		＞25years				
Insulation resistance AT20℃		≥610MΩ·km				
Max. current AT60℃		51A				
Max.conductor temperature		120℃				
Smoke emission test	EN61034-2	≥60%				
Flame test	IEC60332-1	PASS	**Part No.**	**131PVT600-01-007**		
3.Electrical Properties			Serial No.	**001**		
Item		SPECIFICATION	**Approved**	**赵也**	**APPROVED (CUSTOMER)**	
Conductor Resistance AT 20℃		≤3.39Ω/km	**Checked**	/		
Dielectric-withstand test		6500VAC/5min	**Drawing**	**安夏天**		
Spark test		10000VAC	**Date**	**2022/4/28**		