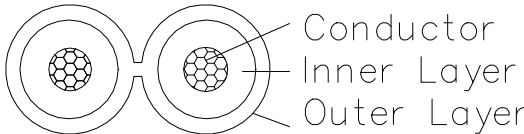


# SPECIFICATION FOR APPROVAL

<b>1.Construction</b>		SOLARTWIN 62930 IEC 131 2×4mm <sup>2</sup>		<b>Revision:</b>	A/0	<b>Form No.</b>	B274
Rated Voltage		90°C 1500V DC		<b>CONSTRUCTION D.W.G</b>			
Conductor	Cross-sectional	4					
	Material	Stranded Tinned Copper					
	Cond.Size	52/ (0.3±0.008)					
	Stranded OD.(mm)	2.35					
Inner Layer	Material	XLPE		Inner and outer layer is inseparable.			
	Color	Black, RED					
Outer Layer	Material	XLPE		<b>4.Marking</b>			
	Min.Thickness (mm)	0.58		The marking content of one side is: (+) POLE WUXI XINHONGYE ▲ 62930 IEC 131 4mm <sup>2</sup> HALOGEN FREE LOW SMOKE 1.5KVDC FOR DC USE ONLY — DO NOT DISCONNECT UNDER LOAD — 90°C 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 4mm <sup>2</sup> HALOGEN FREE LOW SMOKE 1.5KVDC FOR DC USE ONLY — DO NOT DISCONNECT UNDER LOAD — 90°C SOLAR DC CABLE (-) POLE (This is to be printed on black core of parallel cable) The metre marking content of the other side is: >1< to >100<			
	Nominal Thickness	0.80					
	OD.(mm)	5.50±0.20×11.20±0.30					
Color	Black						
<b>2. Physical Properties</b>							
Item		Specification		<b>5.Standard</b> IEC 62930 Reference number: (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			
		Inner Layer	Outer Layer				
Elongation	Un-aged	≥125%	≥125%				
Strength		≥8Mpa	≥8Mpa				
Cold bend test	(-40±2.0°C×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°C	≥709MΩ·km						
Max. current AT60°C	40A						
Max.conductor temperature	120°C						
Smoke emission test	EN61034-2	≥60%					
Flame test	IEC60332-1	PASS					
<b>3.Electrical Properties</b>				<b>Part No.</b>	<b>131PVT400-01-021</b>	<b>APPROVED (CUSTOMER)</b>	
Item		SPECIFICATION		<b>Serial No.</b>	<b>001</b>		
Conductor Resistance AT 20°C		≤5.09Ω/km		<b>Approved</b>	<b>赵也</b>		
Dielectric-withstand test		6500VAC/5min		<b>Checked</b>	<b>/</b>		
Spark test		10000VAC		<b>Drawing</b>	<b>安夏天</b>		
				<b>Date</b>	<b>2022/4/28</b>		