



(Technical Specification For Cable)

Ref. No	DC Solar PV cable		Construction Figure  			
Standard	TÜV/ EN50618:2014					
Model	H1Z2Z2-K					
Conductor						
Cross Section	mm ²	6mm ²				
Construction Tinned copper wire	mm	84x0.285 (±0.015)				
Conductor Material	—	Tinned copper wire				
DIA	mm	3.06				
Insulation			Electrical Characteristics			
Insulation Material	—	125°C Electron-beam Irradiated XLPO	Rated Voltage (V) : DC1.5KV			
Insulation Thickness (Avg)	mm	0.8	Test voltage:AC6.5KV,50Hz 5min			
Insulation Thickness (Min)	mm	0.53	Conductor Max. Resistance AT 20°C (Ω/KM) ≤3.39			
Insulation Od.	mm	5 (±0.1)	Working Temperature : -40°C~+90°C			
Insulation Color	—	Black	Shork Circuit Temperature:250°C 5s			
			The service life of the theory: 25 years			
Jacket			Physical Properties		Test method	
Jacket Material	—	125°C Electron-beam Irradiated XLPO	(test are before aging)elongation of insulation/sheath:125%↑		EN 60811-1-1	
Jacket Thickness (Avg)	mm	0.8	(test are before aging)Tensile strength of insulation/sheath:8.0Mp↑			
Jacket Thickness (Min)	mm	0.58	(test are after aging)elongation of insulation/sheath		EN 60811-1-2	
Cable Od.	mm	6.3±0.2	(test are after aging)Tensile strength of insulation/sheath			
Cable Color	—	Black/ Red/Grey/Brown	Shrinkage resistant: ≤2%		EN 60811-503	
Marking			UV ressistant		EN 50289-4-17	
TÜV SÜD EN50618:2014 H1Z2Z2-K DC 1.5KV 1X6mm ² ZHEJIANG PNTECH TECHNOLOGY CO.LTD.			Fire performance		IEC60332-1-2	
Package			Bending radius: ≥4xφ (D<8mm) ≥6xφ (D≥8mm)			
Standard export: 200 M /Roll			APPROVED	CHECKED	DESIGNE	DATE
Add: No.1, North of Zhongyi Avenue, Gulin Town, Haishu District, Ningbo, China 315100						