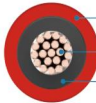




RUITIAN CABLE CO.,LTD.

(Technical Specification For Cable)

Ref. No		DC Solar PV cable	Construction Figure			
Standard		TUV SUD EN50618:2014	 sheath conductor insulation 			
Construction		H1Z2Z2-K 1x6mm ²				
Conductor						
Cross Section	mm ²	6mm ²				
Construction	mm	84x0.285 (±0.015)				
Material	—	Tinned copper wire				
O.D	mm	3.06				
Insulation			Electrical Characteristics			
Material	—	125℃ Electron-beam Irradiated XLPO	Rated Voltage (V) AC U ₀ /U ₁ 0/1.0KV , DC1.5KV			
Avg.Thick	mm	0.8	Conductor dc resistance (Ω/KM) ≤3.39Ω/km Max at 20℃			
Min.Thick	mm	0.53	Temperature range: -40℃~+90℃			
O.D	mm	5 (±0.1)	Maximum working temperature:120℃			
Color	—	Black	The service life of the theory: 25 years			
Jacket			Physical Properties			
Material	—	125℃ Electron-beam Irradiated XLPO	Elongation of unaged values(%):≥125%			
Avg.Thick	mm	0.8	Tensile strength of unaged values (N/mm2):≥6.5&8.5			
Min.Thick	mm	0.58	Aged in a full draft circulating air oven: 150±2.0℃/168h			
O.Dmm	mm	6.6±0.2	Elongation of After aging:≤30%			
Color	—	Black/ Red/Grey/Brown	Tensile strength of After aging: ≤30%			
Marking			Bending radius: ≥4xφ (D<8mm) ≥6xφ (D≥8mm)			
TUV EN50618:2014 H1Z2Z2-K/PV1-F (CQC NB/T42073-2016 PV-(WD)YJYJ) DC 1.5KV 1X6mm ² -			Cold bend test:EN60811-1-4 (-40±2℃*16h No cracking)			
Marking			Cold impact test:(-40℃*16h/1000g; 100mm No cracking)			
Standard export: 100 M /Roll ,250 M /Roll ,500 M /Roll ,1000 M /Drum ,2500 M /Drum ,5000 M /Drum			Flame test:EN60332-1-2			
			APPROVED	CHECKED	DESIGNE	DDATE
Add: ZOU COUNTRYSIDE,WUGONG TOWN,RAOYANG COUNTY,HEBEI,CHINA						