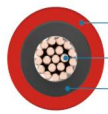




RUITIAN CABLE CO.,LTD.

(Technical Specification For Cable)

Ref. No		DC Solar PV cable		Construction Figure			
Standard		TUV SUD EN50618:2014		 sheath conductor insulation 			
Construction		H1Z2Z2-K 1x4mm²					
Conductor							
Cross Section	mm²	4mm²					
Construction	mm	56x0.285 (±0.015)					
Material	—	Tinned copper wire					
O.D	mm	2.35					
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	0.75		Conductor dc resistance (Ω/KM) ≤5.09Ω/km Max at 20℃			
Min.Thick	mm	0.55		Temperature range: -40℃~+90℃			
O.D	mm	4.1 (±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	5.7±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 1X4mm²				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							