



## **DC Solar Cable PV Wire**



### **SOLAR CABLE 6MM<sup>2</sup>**

- UV and ozone resistant, hydrolysis resistant.
- High temperature resistance, service life of more than 25 years.
- Good flexibility, easy installation and laying.
- Halogen-free and low-smoke material, in line with environmental protection requirements.
- Compatible with all common connectors.

PRODUCT MODEL	6MM
<b>Performance Parameter</b>	
Single Core	PV-1*6.0 mm <sup>2</sup>
Cross section mm <sup>2</sup>	6.0
Strand design No.x ∅ (mm)	81x ∅ 0.3
Conductor diameter (mm)	3.3
Conductor diameter Ω/km	3.52
Outer diameter (mm)	7.2
Type	DC Solar Cable PV Conductor Wire
Resist	UV Resist,abrasion Resist
Jacket	PVC
Conductor material	Copper
Nominal voltage	U0/U 0.6/1KV(AC)1800DC(non-load)
Test voltage	AC6.5KV/5min(20°±0.5) or DC15KV/5min(20°C±0.5) without breakdown
Ambient temperature	-40°C~+90°C
Conductor maximum temperature	120°C
Maximum short circuit temperature	≤250°C/5s
Expected service life	25 years
Bending radius	≥4D
Insulation Nominal Thickness (mm)	≥0.5
Sheath Nominal Thickness (mm)	≥0.5
Maximum DC resistance of conductor at 20°C (Ω/km)	3.39
Minimum insulation resistance at 90°C (mΩ/km)	0.50

