

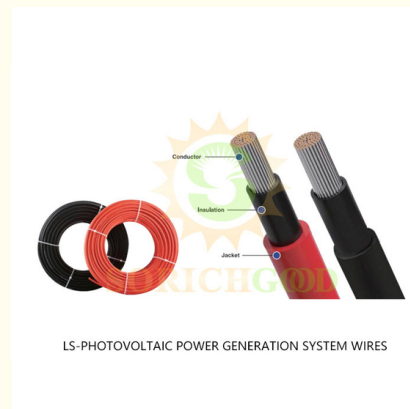


Photovoltaic Power Generation System Cables For Solar Power Systems

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: LS
- Certification: 2pfg 1169/08-2007, IEC 62930:2017, EN 50618:2014, NB/T 42073:2016
- Model Number: WIRE
- Minimum Order Quantity: 500M
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T



Product Specification

- Model Type: PV1-F, 62930 IEC 131, H1Z2Z2-K, PV-YJ/YJ
- Rated Voltage: 1500V DC, 600/1000V AC
- Conductor Class: Class 5 Tinned Copper Wire
- Operating Temperature Range: -40°C To 90°C
- Maximum DC Resistance: 8.21 Ω /km (for 2.5 Mm²)
- Insulation Resistance (at 20°C): $1 \times 10^{14} \Omega \cdot \text{cm}$
- Ampacity: 33A To 70A Depending On Cable Size And Installation Method
- Standards Compliance: 2pfg 1169/08-2007, IEC 62930:2017, EN 50618:2014, NB/T 42073:2016
- Highlight: **1500V photovoltaic cable,**
1000V photovoltaic cable, 600V solar pv cable

Product Description

The Photovoltaic Power Generation System Cables for Solar Power Systems

Product Description

The Photovoltaic Power Generation System Wires are designed to provide reliable and efficient connections between various components of a solar power generation system. These high-quality cables are made using tinned copper wire conductors, which protect against oxidation and discoloration, ensuring stable conductivity over time. The insulation and sheath of the cables are manufactured using electronic irradiation cross-linking technology, enhancing their physical and mechanical properties, and improving weather resistance. These cables are suitable for use in a wide temperature range, from -40°C to 90°C, making them ideal for both outdoor and indoor installations in varying environmental conditions.

Model Type	Rated voltage V		Execution standards
	Direct current DC	Communication AC(U ₀ /U)	
PV1-F	1500	600/1000	2plg 1186/08-2007
62930 IEC 131	1500	1000/1000	IEC 62930:2017
WJ2223-K	1500	1000/1000	EN 50618:2014
PV-H1YJ	1500	600/1000	NB/T 42073:2016

Nominal cross-section mm ²	Conductor class	Reference outer diameter	20°C maximum DC resistance Ω/km	20°C Minimal insulation resistance Ω·cm	90°C Minimal insulation resistance Ω·cm	Ampacity A		
						Single core in air	Single core on the surface	Two cores on the surface
2.5	5	5.1	6.21	1×10 ¹¹	1×10 ¹¹	41	39	33
4	5	5.6	5.09	1×10 ¹¹	1×10 ¹¹	55	52	44
6	5	6.2	3.39	1×10 ¹¹	1×10 ¹¹	70	67	57

Application

The cables are specifically designed for use in photovoltaic systems, including connections between solar modules, strings, DC distribution boxes, and inverters. They are also suitable for use as AC cables in connecting inverters to the transmission grid. The robust design ensures reliable performance in harsh environmental conditions, making them an essential component in any solar power generation system.

Shipping Methods

Supports global air and sea shipping.



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