



## Crosslinking Sheath Material Solar Panel Cable Wire For 6mm2 Solar Panels

Our Product Introduction

### Basic Information

- Place of Origin: China
- Brand Name: Golden Electric /OEM
- Certification: ISO 9001, ISO 9000, ISO 14001, ISO 14000, ISO 20000, OHSAS/ OHSMS 18001, IATF16949
- Minimum Order Quantity: 1
- Packaging Details: Carton/Pallet
- Delivery Time: Peak Season Lead Time: more than 12 months Off Season Lead Time: within 15 workdays
- Payment Terms: LC, T/T, PayPal, Western Union
- Supply Ability: 5000/Month



### Product Specification

- Wire Core Material: Tinned Wire
- Nominal Voltage: DC:1.5V AC :1.0/1.0kv
- Weathering Resistance: Sun Resistant
- Item Name: PV Solar DC Power Cable
- Voltage Test On Completed AC:6.5kv DC:15kv, 5min Cable:
- Color: Red/Black
- Model No.: PV1-F 2X2.5mm2
- Rated Voltage: AC:Uo/U=1.0/1.0kv DC:1.8kv
- Transport Package: Plastic Drum+Wooden Box/Wooden Pallet; Poly Bag
- Specification: 2.5/4.0/ 6.0/ 10.0mm2
- Trademark: Golden Or Natural, Or Customer Brand
- Origin: China
- HS Code: 8544492100
- Supply Ability: 5000PCS/Month



### More Images



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## Product Description

### Product Description

Solar PV Cable is mainly used to interconnect solar panels and inverters in solar system. We use the XLPE material for insulation and jacket so that the cable can resist sun irradiate, it also can be used in high and low temperature environment.

### Product Parameters

Product Name	DC Solar PV Cable
Origin	China
Color	Black and Red or Customized
Specification	2.5mm <sup>2</sup> , 4.0mm <sup>2</sup> , 6.0mm <sup>2</sup> , 10.0mm <sup>2</sup>
Number of Cores	Twins Core
Transport Package	Drum or Roll
Conductor	Oxygen-free Tinned Copper Wire
Insulating Layer	125°CXLPO
Sheath Layer	125°C XLPO
Special Process	Irradiated Cross-linked
Rated Voltage	AC:U <sub>0</sub> /U=1.0/1.0KV DC:1.8KV
Ambient Temperature	-40°C~+90°C
Max Conductor Temperature	+120°C
Service Life	Expected Service Life Is 25 Years
Bending Radius	≥4×φ (D<8mm), ≥6×φ (D<8mm)
Cold bending test	EN60811-1-4
Damp Heat Test	EN60068-2-78
Sunlight resistance	HD605/A1
O-zone resistance at complete cable	EN50396
Flame test	EN60332-1-2
Smoke density	IEC61034, EN50268-2
Content of halogen acid gas	IEC670754-1 EN50267-2-1
Certificate	TUV Rheinland

### Product Details



## 1.Characteristics

Conductor	Stranded Tinned Copper
Insulation	Halogen Free Cross-linked Polyolefin (XLPO)
Rated Temperature	-40°Cup~+90°C
Rated voltage	AC:0.6/1KV DC:1.5KV
Diameter	Halogen Free Cross-linked Polyolefin (XLPO)
Weathering Resistance	Sun Resistant
Standard	2 PfG 1169 08.2007; EN 50618:2014;NB/T42073-2016
Installation Site	Solar Mounting Rail
Color	Red/Black
Advantage	Highly Cost-effective
Feature	Quick Installation
Installation Site	Solar Mounting Rail

## 2.Technical Data

Nominal voltage	DC:1.5KV AC:1.0/1.0KV
Voltage Test On Completed Cable	AC:6.5KV DC:15KV,5min
Ambient Temperature	Max.ambient temperature:90°C Min.temperature for installation and handing:-25°C Max.storage temperature:+40°C
Thermal Endurance Properties	120°C,20000h,elongation at break≥50%
Refer To Short Circuit Allows The Temperature	The permitted short-circuit-temperature is 250°C referring to a period of 5s
Pressure Test At High Temperature	EN60811-3-1
Damp Heat Test	EN600681-2-78
Resistance Against Alkaline And Acid Solutions	EN60811-2-1
Ozone Resistance At Complete Cable	EN50396
Thermal Endurance Test	EN60216-2
Cold Bending Test	EN60811-1-4
Weathering/UV Resistance	EN50289-4-17
Test Of Vertical Flame Propagation At Complete Cable	EN60332-1-2
Halogen Content Test	EN60754-1/EN60754-2

### 3.More Products



### 4.Dimensions And Parameter

Construction	Conductor ion	Construct	Conductor Stran ded OD.	Cable OD.	Conductor Max.Resistance AT 20°C	Current Carrng Capacity AT 60°C
n*mm	n/m		mm	mm	Ω/km	A
1*1.5	30/0.25		1.58	4.80	13.5	25
1*2.5	49/0.25		1.98	5.30	8.21	36
1*4.0	56/0.285		2.35	5.80	5.09	44
1*6.0	84/0.285		3.06	6.60	3.39	60
1*10.0	80/0.40		4.60	8.00	1.95	82
1*16.0	120/0.40		5.60	10.00	1.24	122
1*25.0	196/0.40		6.95	12	0.795	160
1*35.0	276/0.40		8.30	13.30	0.565	200

#### Packing



PE film



Wooden reel



Pallet





Recommend Product

## Hot selling



Solar PV Connector  
PV004



Fuse Connector  
PV004-F



Diode Connector  
PV004-D



Plate End Connector  
PV004-P



2 to 1 T  
Branch Connector



4 to 1 T  
Branch Connector



3 to 1  
T Branch Connector



5 to 1  
T Branch Connector





## Company Profile

- Golden Electric Co.,Ltd ,was foundad in 2007, we are professional for make **AC and DC electric items** such as cable gland,Solar PV Cable, MC4 Connector, isolator switch , fuse , breaker , distribution box , PV combiner box ,surge protector, Indicator lamp,Solar Charge Controller,Industrial plug and socket,Wind Turbine, Solar product and so on.

- Golden has been granted ISO9001 management system certifications. The comprehensive product line has more than 1000 models which have been approved by TUV,CE,CQC,SGS,ROHS,SASO. The productsells well to UK, Spain, Portugal, Singapore, Turkey, Russia, Korea, South Africa... more than 60 countries and regions.

- Golden is always striving hard to provide the best services and competitive price to all customers.

## FAQ

### 1)Q:How can i trust your company?

A:Golden electric is The top 10 manufacture in China- more than 350 Agents in local market and more than 100 foreign clients make OEM,ODM order from us,Golden electric is a big company, we have cooperation with LS, EKF the world-class companies. Our company over 100 employees, products pass CE,IEC,TUV,SAA, RCM, ROHS certificates.

### 2) Q:Your products?

A: Golden electric is factory for Automatic transfer swithc,Surge protector device,distribution box Enclosure, inverter, DC fuse etc. Providing customers very competitive sources, and can be your sourcing agent in China. Goods are following international standards, IE, CE, ISO9001 ,SGS etc.

### 3) Q: Do you have forwarder?

A: Yes, we have good forwarder cooperated over 10 years, they help us import and export . For small package orders, suggest to use by Express.

### 4) Q: Your address ?

A: Locates in Guangzhou province, China,welcome to visit us

### 5) Q:What's the Solar PV Cable guarantee?

A: 2 years warranty. If customer's problem, then customer burden. If our problem, then we send new goods to customer to replace asap.

### 6) Q:What's about MOQ? Delivery time ?

A: 100meters for Solar PV Cable.

### 7) Q: What's the payment term?

A: Normally 100% T/T in advanced payment. If big order then about 50% advanced payment, balance before shipment.PAYPAL,WESTERN UNION,CASH for small order .

### 8) Q:What's your contact information ?

**Send us your inquiry !we will reply you in 24 hours !**



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