



## PV1-F TUV Standard Single Core/Double Core Power Solar Cable 4mm<sup>2</sup> 6mm<sup>2</sup> with Mc4 Connectors

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

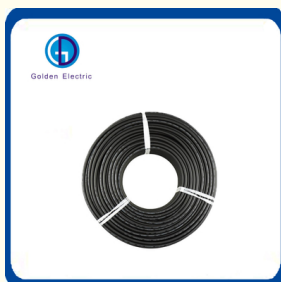


### Product Specification

- Model NO.: GD-PV1-F
- Wire Core Material: Red Copper Wire
- Item Name: XLPE Insulated PV Solar Electric Power Cable
- Model No: PV1-F
- Weathering Resistance: Sun Resistant
- Nominal Voltage: DC:1.5V AC :1.0/1.0kv
- Voltage Test On Completed AC:6.5kv DC :15kv,5min Cable:
- Transport Package: Plastic Drum+Wooden Box/Wooden Pallet; Poly Bag
- Specification: 1.5mm<sup>2</sup>, 2.5mm<sup>2</sup>, 4.0mm<sup>2</sup>, 6.0mm<sup>2</sup>, 10.0mm<sup>2</sup>, 16.0mm<sup>2</sup>
- Trademark: Golden Electric Or Customize
- Origin: China
- HS Code: 8543709990



### More Images



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## Product Description

### Product Description:

1.Cable Full Name: Halogen-free low smoke cross-linked polyolefin insulated and sheathed cables for photovoltaic power generation systems

2.Conductor Structure: EN60228(IEC60228. GB/T3956)Type five conductor and must be tinned copper wire.

3.Cable Color: Black or Red (The insulation material shall be extruded halogen-free material, which shall be composed of one layer or several tightly adhered layers. The insulation shall be solid and uniform in material, and the insulation itself, the conductor and the tin layer shall be as far as possible not damaged when the insulation is peeled off)

4.Cable Characteristics: Double insulated construction. Higher systems bear voltage, UV radiation. Low and High temperature resistant environment.

Cross Section (mm <sup>2</sup> )	Conductor Construction (n/mm)	Conductor Stranded OD (mm)	Cable OD (mm)	Conductor Max.Resistance AT 20°C (Ω/Km)	Current Carrying Capacity AT 60°C(A)
1.5	30/0.25	1.58	4.80	13.5	25
2.5	49/0.25	1.98	5.30	8.21	36
4	56/0.285	2.35	5.80	5.09	44
6	84/0.285	3.06	6.60	3.39	60
10	80/0.4	4.60	8.00	1.95	82
16	120/0.4	5.60	10	1.24	122
25	196/0.4	6.95	12	0.795	160
35	276/0.4	8.30	13.30	0.565	200

### Characteristics

Conductor	Stranded Tinned Copper
Insulation	Halogen Free Cross-linked Polyolefin(XLPO)
Diameter	Halogen Free Cross-linked Polyolefin(XLPO)
Rated Temperature	-40°C up ~ +90°C
Rated Voltage	AC:0.6/1KV DC:1.5KV
Weathering Resistance	☀Sun Resistant
Standard	VDE-AR-E 2283-4:2011



Tinned Copper-electron  
beam irradiation  
cross-linking



125°C XLPO



Double Protect:  
jacket and insulation



EN 50618



			
Solar Cable 1x1.5mm <sup>2</sup>	Solar Cable 1x2.5mm <sup>2</sup>	Solar Cable 1x4.0mm <sup>2</sup>	Solar Cable 1x6.0mm <sup>2</sup>
			
Solar Cable 1x10mm <sup>2</sup>	Solar Cable 1x16mm <sup>2</sup>	Solar Cable 1x25mm <sup>2</sup>	Solar Cable 1x35mm <sup>2</sup>
			
Solar Cable 2x2.5mm <sup>2</sup>	Solar Cable 2x4.0mm <sup>2</sup>	Solar Cable 2x6.0mm <sup>2</sup>	Solar Cable 2x10mm <sup>2</sup>

### Package:



PE film



Wooden reel



Pallet



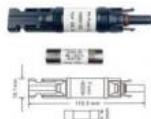


## Connector series:

### Solar PV Connector



**Solar PV Connector**  
PV004



**Fuse Connector**  
PV004-F



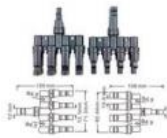
**Diode Connector**  
PV004-D



**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

## FAQ:

**Q:**Where are the photovoltaic cables used?

**A:**Photovoltaic cables are used to connect solar cell modules and inverters.

**Q:** Which size of cables should I choose?

**A:** 4mm<sup>2</sup> (12AWG) can be used no matter how many SOLAR panels are in series and the single string output current does not exceed 15A. After the convergence of several branches of the main output, depending on the situation, can consult us.

**Q:** How long is the service life of photovoltaic cable?

**A:** Without additional protection, it can be used for more than 20 years in outdoor ventilation and dry conditions.

**Q:** What other features do photovoltaic cables have?

**A:** Conditions of use -40C~+90C, low smoke, halogen free, flame retardant, anti ultraviolet radiation.

**Q:** How to order?

**A:** After confirming product name, model, specification, quantity and packing method with our business manager, we will send PI to you. After your payment is complete We will deliver the goods on the agreed time.



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