

## Photovoltaic Wire (PV)



**Construction:** Stranded soft annealed-copper conductor, over which a mylar film is permitted, is insulated with special polyolefine compound and and sheathed with a special polyolefine compound.



**Application :** This product is used for interconnection photovoltaic module, solar components and inverter. It can be used in grounded and ungrounded photovoltaic power array.



**Rated Voltage:** AC 600V or AC 2000V



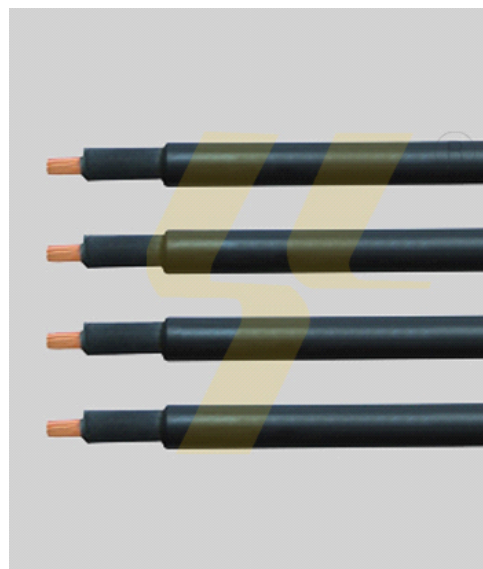
**Operating Temperature:** PV-105 is suitable for 105°C in dry and 90°C in wet; PV-125 is suitable for 125°C in dry and 90°C in wet.



**Standard:** UL4703、UL1581 or other standards required by customers.



**Packing :** Coil, Steel/Wooden Reel, Wooden Reel or Steel Reel.



## 600V Photovoltaic Wire (PV)

### PV-105、PV-125

Size	Conductor	Insulation Thickness	Jacket Thickness	Approximate Diameter	25°C DC Resistance of Conductors
AWG	No./mm	mm	mm	mm	≤Ω/km
14	19/0.37	1.14	0.76	5.7	8.62
12	22/0.44	1.14	0.76	6.1	5.43
10	27/0.51	1.14	0.76	6.8	3.41
8	42/0.51	1.52	0.76	9.0	2.14
6	65/0.51	1.52	0.76	10.2	1.35
4	105/0.51	1.52	0.76	11.4	0.848
2	163/0.51	1.52	0.76	13.6	0.534
1	225/0.51	2.03	0.76	16.1	0.423
1/0	275/0.51	2.03	0.76	16.9	0.335
2/0	325/0.51	2.03	0.76	17.6	0.266
3/0	450/0.51	2.03	0.76	19.8	0.211
4/0	550/0.51	2.03	0.76	21.9	0.167
250	635/0.51	2.41	0.76	23.8	0.142
300	760/0.51	2.41	0.76	24.9	0.118
350	900/0.51	2.41	0.76	26.6	0.101
400	1050/0.51	2.41	0.76	27.8	0.0885
500	1221/0.51	2.41	0.76	29.6	0.0709
600	1550/0.51	2.79	0.76	33.0	0.059
750	1891/0.51	2.79	0.76	35.9	0.0472
1000	2530/0.51	2.79	0.76	40.6	0.0354

**2000V Photovoltaic Wire (PV)****PV-105、PV-125**

Size	Conductor	Insulation Thickness	Jacket Thickness	Approximate Diameter	25°C DC Resistance of Conductors
AWG	No./mm	mm	mm	mm	≤Ω/km
14	19/0.37	1.52	0.76	6.4	8.62
12	22/0.44	1.52	0.76	6.9	5.43
10	27/0.51	1.52	0.76	7.6	3.41
8	42/0.51	1.78	0.76	9.5	2.14
6	65/0.51	1.78	0.76	10.7	1.35
4	105/0.51	1.78	0.76	11.9	0.848
2	163/0.51	1.78	0.76	14.2	0.534
1	225/0.51	2.29	0.76	16.7	0.423
1/0	275/0.51	2.29	0.76	17.4	0.335
2/0	325/0.51	2.29	0.76	18.1	0.266
3/0	450/0.51	2.29	0.76	20.3	0.211
4/0	550/0.51	2.29	0.76	22.4	0.167
250	635/0.51	2.67	0.76	24.3	0.142
300	760/0.51	2.67	0.76	25.4	0.118
350	900/0.51	2.67	0.76	27.1	0.101
400	1050/0.51	2.67	0.76	28.3	0.0885
500	1221/0.51	2.67	0.76	30.1	0.0709
600	1550/0.51	3.05	0.76	33.5	0.059
750	1891/0.51	3.05	0.76	36.5	0.0472
1000	2530/0.51	3.05	0.76	41.1	0.0354