

**SOWELL SOLAR**

**SOWELLSOLAR  
Safety Solar  
Photovoltaic  
Cable**



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光伏直流电缆 (铝合金导体)

SOLAR DC CABLE (Aluminum Alloy Conductor)

型号/Model: PV1500DC-AL

标准/Standard: TUV 2PFG 2642 01.22

范围/Range of cross sectional area: 1X4 mm<sup>2</sup>,  
6 mm<sup>2</sup>, 10 mm<sup>2</sup>

**10  
YEARS  
LIMITED  
PRODUCT  
WARRANTY**

**25  
YEARS  
SERVICE  
LIFE**

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### 产品应用 (Application)

光伏电缆 (代码: PV1500DC-AL) 使用铝合金导体, 其绝缘和护套材料与EN50618的要求一致。该电缆必须使用铝合金电缆专用的铜铝过渡连接器 (SSPV-001) 或者铜铝转换连接器 SSPV-003。The photovoltaic cable (Code: PV1500DC-AL) uses aluminum or aluminum alloy conductor, and its insulation and sheath materials are consistent with the requirements of EN50618. The cable must match specified copper aluminum transition connector SSPV-001 or copper aluminum conversion connector SSPV-003. (See Pictures)

### 电缆表面印字 (Cable surface marking)

2 PFG 2642 PV1500DC-AL 1x6,0mm<sup>2</sup> 1500VDC UV Res HALOGEN FREE LOW SMOKE SOWELLSOLAR \*\*\*\*M

### 包装说明 (Packing)

1000米/木盘, 10盘/托盘。

Packaging: 6mm PV cable, 1000 meters/roll, 10 rolls/pallet, 20 pallets per 20FT container.

Others package can be customized.

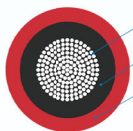
### 产品证书 (Certificate)

2 PFG 2642 01.22 by TUV  
J50490609

Product selection table

部件代码 Part No.	导体截面积 Conductor cross section mm <sup>2</sup>	导体构成 Strand design Number x Ø mm	成品外径 Outer-Ømm	直流电阻 Conductor resistance Ω / km 20°C	护套颜色 Sheath Color
PV1500DC-AL-40B	1X4,0	56/0.285	5.6±0.1mm	8.10	Black
PV1500DC-AL-40R	1X4.0	56/0.285	5.6±0.1mm	8.10	Red
PV1500DC-AL-60B	1X6,0	84/0.285	6.1±0.1mm	5.05	Black
PV1500DC-AL-60R	1X6.0	84/0.285	6.1±0.1mm	5.05	Red
PV1500DC-AL-100B	1X10	77/0.4	7.2±0.1mm	3.08	Black
PV1500DC-AL-100R	1X10	77/0.4	7.2±0.1mm	3.08	Red

\* The series of PV1500DC-AL need special connectors SSPV-001 or SSPV-003.



Conductor: Aluminum, tin plated  
Insulation: 125°C XLPO, Cross-Linked  
Sheath: 125°C XLPO, Cross-Linked



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电缆设计 Cable design	
导体 Conductor	Aluminum alloy
绝缘 Insulation	125°C Low-Smoke Halogen-Free Flame Retardant Polyolefins
护套 Sheath	125°C Low-Smoke Halogen-Free Flame Retardant Polyolefins
特殊工艺 Special technology	Electron Beam Radiation Cross-linking

电气参数 Electrical characteristics	
额定电压 Rated voltage U0/U	DC 1500V
温度范围 Temperature range	-40°C up to +90°C
最大导体温度 Max. temperature at conductor	120°C
最小弯曲半径 Min. bending radius	6 x cable diameter
生产标准 Industry Standards	2 PfG 2642 11.17
抗拉强度和伸长率 Tensile strength and elongation	EN 60811-1-2
无卤测试 Halogen free	50525-1 Annex B
耐臭氧性 Ozone resistance	EN 50396
耐紫外线测试 UV resistance	EN50289-4-17
低温冲击测试 Cold impact test	EN60068-2-78

