

# PV07AC-F 光伏交流电缆

## PV07AC-F Solar AC Cable



### 产品优点 Advantages:

- 辐照交联化合物  
E - beam cross-linked compounds
- 抗紫外线和臭氧，耐水解  
High resistance against UV ,ozone and hydrolyzation
- 耐高温，材料不会融化或流动  
High temperature resistance , materials will not melt or flow
- 低温韧性  
Flexibility under cold conditions
- 适用于所有的交流连接器  
Suitable for all AC connectors

### 性能 Properties:

- 成品电缆耐电压：AC 6.5KV 5min, 不击穿  
Voltage test of finished cable: AC 6.5KV 5min, No break
- 绝缘抗张强度：≥ 6.5Mpa, 护套抗张强度：≥ 8Mpa  
Insulation tensile strength: ≥ 6.5 Mpa; Jacket tensile strength: ≥ 8 Mpa
- 绝缘 / 护套断裂伸长率：≥ 125%  
Elongation at Break of Insulation/Jacket: ≥ 125%
- 额定电压：AC450/750V  
Rating voltage: AC450/750V
- 环境温度：-40°C ~90°C  
Ambient temperature: -40°C ~90°C
- 最高线温：120°C  
Max. conductor temperature: 120°C
- 绝缘颜色：黑色、红色、黄绿色或其他颜色  
Insulation Color: Black, red, yellow/green or other colors
- 护套颜色：黑色  
Jacket Color: Black

### 应用 Application:

- 广泛用于光伏发电和太阳能系统，连接太阳能组件和电力元件，适用于室外极端环境。  
It is widely used in photovoltaic power generation and solar energy systems to connect solar modules and electrical components, and is suitable for outdoor extreme environments.

截面积 Cross Section (mm <sup>2</sup> )	芯数 Cores (No)	绝缘厚度 Insulation Thickness(mm)	护套厚度 Jacket Thickness(mm)	电缆外径 Cable Diameter(mm)	导体电阻 20°C Conductor Resistance at 20°C (Ω/km)	重量 weight (kg/km)
2.5	3	0.8	1.02	10.30	≤ 8.21	177
4	3	0.8	1.16	11.30	≤ 5.09	231
6	3	0.8	1.32	13.10	≤ 3.39	324
10	3	0.8	1.60	15.80	≤ 1.95	519
16	3	0.8	1.99	19.6	≤ 1.24	823
2.5	5	0.8	1.28	12.90	≤ 8.21	286
4	5	0.8	1.46	14.60	≤ 5.09	388
6	5	0.8	1.65	16.40	≤ 3.39	526
10	5	0.8	2.00	19.80	≤ 1.95	848
16	5	0.8	2.49	24.5	≤ 1.24	1342