

光伏直流绞合电缆

PV DC stranded 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

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 / 护套抗张强度：≥ 8Mpa
Tensile Strength of Insulation/Jacket: ≥ 8Mpa
- 绝缘 / 护套断裂伸长率：≥ 125%
Elongation at Break of Insulation/Jacket: ≥ 125%
- 额定电压：DC 1500V
Rating voltage: DC 1500V
- 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：全色系
Insulation Color: Optional color
- 护套颜色：黑色
Jacket Color: Black

应用 Application:

- 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 ²)	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	2	0.7	0.8	9.2	≤ 8.21	111
4	2	0.7	0.8	10.4	≤ 5.09	146
6	2	0.7	0.8	11.8	≤ 3.39	193
10	2	0.7	0.8	12.3	≤ 1.95	239