

TC-ER 光伏交流电缆

TC-ER 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 / 护套抗张强度：≥ 10.3Mpa
Tensile Strength of Insulation/Jacket : ≥ 10.3Mpa
- 绝缘 / 护套断裂伸长率：≥ 150%
Elongation at Break of Insulation/Jacket: ≥ 150%
- 额定电压：AC600V
Rating voltage: AC600V
- 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 (AWG)	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)
14	3	0.76	1.14	10.4	≤ 8.62	180
12	3	0.76	1.14	11.5	≤ 5.43	236
10	3	0.76	1.14	12.8	≤ 3.409	316
8	3	1.14	1.52	17.6	≤ 2.144	585
6	3	1.14	1.52	19.8	≤ 1.348	831
14	5	0.76	1.14	12.6	≤ 8.62	278
12	5	0.76	1.14	14.6	≤ 5.43	388
10	5	0.76	1.14	16.2	≤ 3.409	519
8	5	1.14	1.52	19.8	≤ 2.144	848
6	5	1.14	1.52	24.5	≤ 1.348	1342