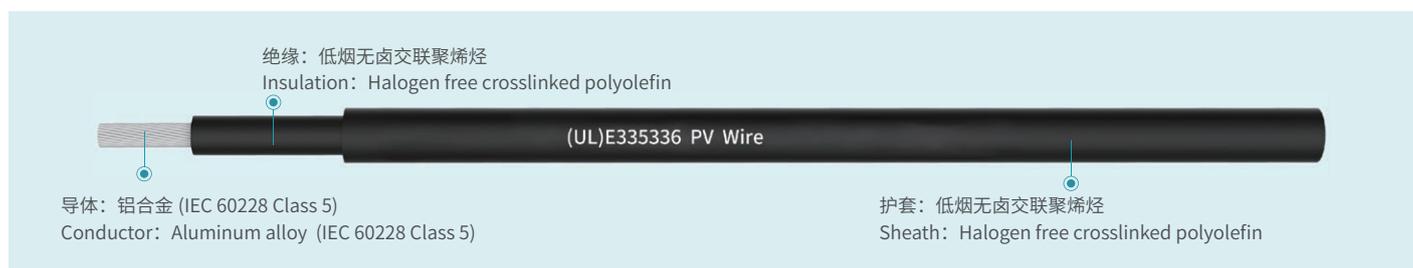


# UL 4703 光伏电缆 (铝导体)

## UL 4703 Solar Cable (Aluminum Conductor)



### 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
- 重量更轻, 更易于操作和安装  
Lighter weight, making it easier to operate and install
- 适用于所有的常用连接器  
Applicable to all common connectors

### 性能 Properties:

- 成品电缆耐电压: 18~10AWG, AC 6KV 1min, 不击穿  
8~2AWG, AC 7.5KV 1min, 不击穿  
Voltage test of finished cable: 18~10AWG, AC 6KV 1min, No break  
8~2AWG, AC 7.5KV 1min, No break
- 额定电压: UL 1000V /2000V  
Rating voltage: UL 1000V /2000V
- 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
- 弯曲半径: 动态 ≥ 5XO.D 静态 ≥ 4XO.D  
Bending radius: Moves setting ≥ 5XO.D Fixed setting ≥ 4XO.D
- 绝缘颜色: 全色系  
Insulation Color: Optional color
- 护套颜色: 全色系  
Jacket Color: Optional color

### 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)	导体规格 Conductor (No./mm)	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)
12	56/0.3	1.14	0.76	6.6	≤ 8.10	53
10	84/0.3	1.14	0.76	7.1	≤ 5.05	63
8	78/0.4	1.39	0.76	8.6	≤ 3.08	94
6	119/0.4	1.39	1.14	10.5	≤ 1.91	141
4	189/0.4	1.39	1.14	11.8	≤ 1.20	184
2	266/0.4	1.39	1.14	12.9	≤ 0.868	226