

Product Specifications



UL 4703 1000/2000V

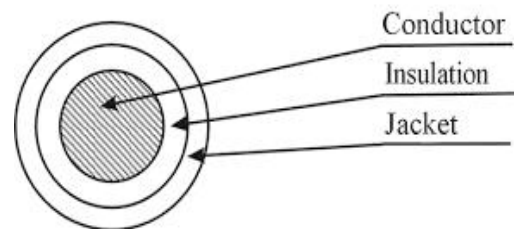
Material characteristics / standard

Fireproof performance: IEC 60332-1 & IEC 60332-3-24

Smoke emission: IEC 61034 & EN 61034-2

Low fire load: DIN 51900

certificate & Standard: UL 4703



Construction

- Conductor - Tinned copper according to IEC 60228, class 5.
- Insulation - XLPE, flame retardant, halogen free, E-Beam cross-linked compounds
- Jacket - XLPE, flame retardant, halogen free, E-Beam cross-linked compounds, UV and ozone resistant.

Advantages

- E-beam cross-linked compounds, High resistance against UV, ozone and hydrolyzation.
- High temperature resistance, materials will not melt or flow. Flexibility under cold conditions.
- Long usable life, expected usable life over 25 years (90°C).

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Application

Solar cable rated 90°C dry, 90°C wet, 1000/2000V, in conductor arrangement of ground connection and earth-free connection photovoltaic power systems.

Electrical performance

Rated Voltage: 1000/2000V

Test Voltage: 2-8AWG 7.5KV/1min 8-18AWG 6.0KV/1min

Operation temperature: -40°C~+120°C

Ambient temperature: -40°C~+90°C

Maximum short circuit temperature: 280°C +536°F, 5s

Fixed setting: >4x ϕ

Moves on occasion: >5x ϕ

序号 No.	结构 AWG	导体 Conductor	结构 Specification	外径 OD	最大电阻 Max mΩ/m	载流量 A
1	18	TC	34/0.18	5.01	23.2	17.3
2	16	TC	27/0.25	5.3	14.6	22.14
3	14	TC	43/0.25	5.69	8.96	35.26
4	12	TC	48/0.3	6.2	6.54	47.14
5	10	TC	76/0.3	6.82	3.546	74.64
6	8	TC	66/0.4	8.05	2.23	80.85
7	6	TC	106/0.4	9.82	1.403	109.31
8	4	TC	168/0.4	11.95	0.882	150.86
9	2	TC	268/0.4	13.56	0.5548	211.68