



TUV EN50618 H1Z2Z2 K DC 1.5KV

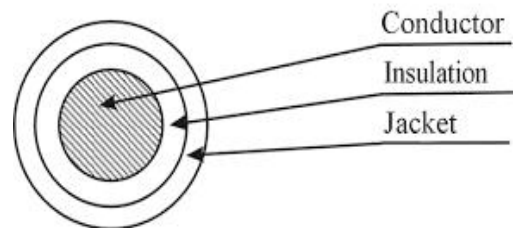
Material characteristics / standard

Fireproof performance: EN 60332-1-2

Smoke emission: EN 61034-1&EN 61034-2

Low fire load: DIN 51900

certificate&Standard: TUV EN50618



Construction

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

Product Specifications

Application

In a solar power system of rated voltage $U_0=1.5KV$, PV cables are used to connect between solar panels and inverters.

Electrical performance

Rated Voltage: $U_0=1.5kV$ DC

Test Voltage: 6.5KV AC 5min

Operation temperature: $-40^{\circ}C \sim +120^{\circ}C$

Ambient temperature: $-40^{\circ}C \sim +90^{\circ}C$

Maximum short circuit temperature: $250^{\circ}C$ +536°F, 5s

Fixed setting: $>4x \phi$

Moves on occasion: $>5x \phi$

序号 No.	结构 nxmm ²	导体 Conductor	结构 Specification	外径 OD	最大电阻 Max mΩ/m	载流量 A
1	1x1.5	TC	30/0.25	4.7	13.7	30
2	1x2.5	TC	49/0.25	5.3	8.21	41
3	1x4.0	TC	56/0.285	5.7	5.09	55
4	1x6.0	TC	84/0.285	6.1	3.39	70
5	1x10	TC	80/0.4	7.2	1.95	98
6	1x16	TC	126/0.4	8.8	1.24	132
7	1x25	TC	196/0.4	10.8	0.795	176
8	1x35	TC	273/0.4	132.4	0.565	218