



TÜV EN50618 H1Z2Z2 K DC(TWIN CORES)

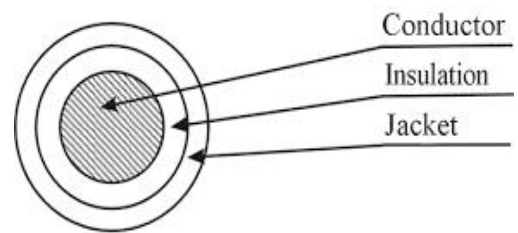
Material characteristics / standard

Fireproof performance: EN 60332-1-2

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

Low fire load: DIN 51900

certificate&Standard: TÜV EN50618



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).

Product Specifications

Application

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

Electrical performance

Rated Voltage: $U_0=1.5\text{kV DC}$

Test Voltage: 6.5KV AC 5min

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

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

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

Fixed setting: $>4\text{x}\phi$

Moves on occasion: $>5\text{x}\phi$

序号 No.	结构 nxmm^2	导体 Conductor	结构 Specification	外径 OD	最大电阻 Max $\text{m}\Omega/\text{m}$	载流量 A
1	1x2.5	TC	49/0.25	11.3x5.3	8.21	41
2	1x4.0	TC	56/0.285	12.7x5.7	5.09	55
3	1x6.0	TC	84/0.285	13x6.1	3.39	70