

| (Technical Specification For Cable) | | | | | | |
|---|-----------------|-------------------------------------|---|--|---------|-------|
| Ref. No | | DC Solar PV cable | | Construction Figure | | |
| Standard | | TUV SUD EN50618:2014 | | | | |
| Construction | | H1Z2Z2-K 1x6mm ² | | | | |
| Conductor | | | | | | |
| Cross Section | mm ² | 6mm ² | | | | |
| Construction | mm | 84x0.29 (±0.015) | | | | |
| Material | — | Tinned copper wire | | | | |
| O.D | mm | 3.06 | | | | |
| Insulation | | | Electrical Characteristics | | | |
| Material | — | 125°C Electron-beam Irradiated XLPO | | Rated Voltage (V) AC U ₀ /U _{1.0} /1.0KV , DC1.5KV | | |
| Avg.Thick | mm | 0.8 | | Conductor dc resistance (Ω/KM) ≤3.39Ω/km Max at 20°C | | |
| Min.Thick | mm | 0.53 | | Temperature range: -40°C~+90°C | | |
| O.D | mm | 5 (±0.1) | | Maximum working temperature:120°C | | |
| Color | — | Black | | The service life of the theory: 25 years | | |
| Jacket | | | Physical Properties | | | |
| Material | — | 125°C Electron-beam Irradiated XLPO | | Elongation of unaged values(%)≥125% | | |
| Avg.Thick | mm | 0.8 | | Tensile strength of unaged values (N/mm ²):≥6.5&8.5 | | |
| Min.Thick | mm | 0.58 | | Aged in a full draft circulating air oven: 150±2.0°C/168h | | |
| O.Dmm | mm | 6.6±0.2 | | Elongation of After aging:≤30% | | |
| Color | — | Black/ Red/Grey/Brown | | Tensile strength of After aging: ≤30% | | |
| Marking | | | Bending radius: ≥4xφ (D<8mm) ≥6xφ (D≥8mm) | | | |
| TUV SUD EN50618:2014 H1Z2Z2-K(CQC NB/T42073-2016 PV-(WD)YJYJ) DC 1.5KV 1X6mm ² | | | Cold bend test:EN60811-1-4 (-40±2°C*16h No cracking) | | | |
| Marking | | | Cold impact test:(-40°C*16h/1000g; 100mm No cracking) | | | |
| Standard export: 200 M /Roll | | | Flame test:EN60332-1-2 | | | |
| | | | APPROVED | CHECKED | DESIGNE | DDATE |
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