

DESCRIPTIONS

4 mm² HIZ2Z2-K Solar Cable TÜV 1500V, for photovoltaic power Direct Current (DC) .

STANDARDS

TÜV EN50618 HIZ2Z2-K file No.: R 50546675 & IEC62930 file No.: R 50546688

CABLE CONSTRUCTION

Drawing:



- **Conductor Size** Class 5 flexible tinned copper, acc. to DIN VED 0295 / IEC EN 60228
- **Stranding Diameter** 4 mm²
56*0.285 ± 0.005mm
2.6mm ± 0.04mm
- **Insulation Thickness** XLPO, electron-beam cross-linked, LSHF
0.7 mm ± 0.04 mm
- **Color** Black ○
- **Jacket Thickness** XLPO, electron-beam cross-linked, LSHF
0.8 mm ± 0.04 mm
- **Color** Black or Red ○○

Outer Diameter: 5.6mm ± 0.2mm

MECHANICAL FEATURE

- **Minimum Bending radius** Fixed: 4 x Overall Diameter; Flexing: 5 x Overall Diameter
- **Temperature range** -40 °C to +90 °C, Max. temp. at conductor +120 °C
- **Weather /UV resistance** EN 50289-4-17
- **Ozone resistance** EN 50396, cl. 8.1.3
- **Halogen free** EN 60754-1
- **Short circuit temperature** 250°C for 5 s
- **Flame-resistant test** EN 60332-1-2
- **Anticipated service life** 30 years
- **Approvals** EN50618 HIZ2Z2-K & IEC62930

ELECTRICAL PARAMETER

- **Rated voltage DC:** 1.5/1.5kV; AC: 1.0/1.0 kV
- **Conductor Resistance at 20°C** ≤ 5.09 Ω/km
- **Test Voltage (AC)** AC 6.5kV, 50Hz, 5 min
- **Max. permitted voltage** 1.8kV DC
- **Min. insulation resistance at 20°C** 580MΩ/KM
- **Spark test** AC 10kV
- **Current carrying capacity at 120 °C (Ambient temperature 60 °C):**

Condition	Exposed 	On surfaces without contact 	On surfaces with contact 	In conduit, pipe, duct 
Current carrying capacity/ A	70	67	57	44

Printing & Packing

- **Printing:** CABLE HIZ2Z2-K EN50618 & 62930 IEC 131 1X4mm² 1500V DC XLPO/XLPO HALOGEN
- **FREE LOW SMOKE SOLAR CABLE++** Meter mark
- **Packing:** 500M/roll, 27rolls/pallet, 20pallets/20FCL (270KM)
- **Customized printing and delivering in other ways.**