

DESCRIPTIONS

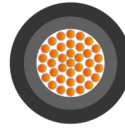
10mm² HIZ2Z2-K Solar Cable TÜV 1500V, for photovoltaic power Direct Current (DC) .

STANDARDS

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

CABLE CONSTRUCTION

Drawing:



- Conductor Size 10 mm²
Stranding 142*0.285 ± 0.005mm
Diameter 4.4mm ± 0.04mm
- Insulation Thickness 0.7 mm ± 0.04 mm
Color Black ○
- Jacket Thickness 0.8 mm ± 0.04 mm
Color Black or Red ○○

Outer Diameter: 7.5mm ± 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
- 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.