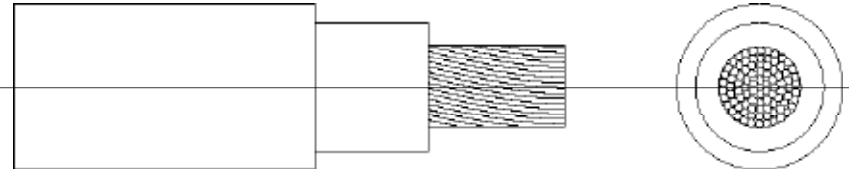


TOPSOLAR® PV H1Z2Z2-K

TÜV solar PV cable.

BASED ON: EN 50618 / IEC 62930 / UTE C 32-502

DESIGN



Conductor

Class 5 (flexible) tinned copper, based on EN 60228 and IEC 60228.

Insulation

Low smoke zero halogen (LSZH) rubber.

Outer sheath

Low smoke zero halogen (LSZH) rubber, red or black colour.

APPLICATIONS

The **TopSolar® PV H1Z2Z2-K** cable, which is TÜV certified according to IEC 62930 and EN 50618, is suitable for both fixed and mobile solar installations (solar farms, rooftop solar installations and floating plants).

It is a highly flexible cable compatible with all major connectors and specially designed for the connection of photovoltaic panels. This versatile single-conductor cable is designed to meet the varying needs of the solar industry. Suitable for wet, damp and humid locations.



CHARACTERISTICS

Electrical performance

Low voltage 1,5/1,5 1kV (1,8) kV DC.

Based on

EN 50618/ IEC 62930 / UTE C 32-502.

Standards and approvals

Approvals

TÜV / RETIE / CE / RoHS

CPR

C_{ca}, s1, d2, a1

Thermal performance

Maximum service temperature: 120°C.

Maximum short-circuit temperature: 250°C (max. 5 s).

Minimum service temperature: -40°C .

Fire performance

Flame non-propagation based on EN 60332-1 and IEC 60332-1.

Reaction to fire CPR: C_{ca}, s1, d2, a1, according to EN 50575.

LSZH (Low Smoke Zero Halogen) based on UNE-EN 60754-1 and IEC 60754-1.

Low smoke emission based on EN 61034 and IEC 61034: Light transmittance > 60%

Low corrosive gases emission based on UNE-EN 60754-2 and IEC 60754-2.

Mechanical performance

Minimum bending radius: x3 cable diameter.

Impact resistance: AG2 Medium severity.

Chemical performance

Chemical & Oil resistance: Excellent.

Grease & mineral oils resistance: Excellent

UV Resistant based on EN 50618

Ozone resistant based on EN 50618.


Water performance

Water presence: AD8 submerged.

Other

Meter by meter marking.

Estimated lifetime 30 years based on UNE-EN 60216-2.

 Optional: rodent proof and termite proof.

Installation conditions

Open Air.

Buried.

Packaging

Available in rolls (lengths of 100 m) and reels.