

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 (LSHF) cross linked rubber insulation.

Outer sheath

Low smoke zero halogen (LSHF) cross linked rubber outer sheath, 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.

FEATURES

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 TÜV / RETIE / RoHS / CE.

CPR (Construction

Products Regulation)

Cca -s1b, d2, a1.

Thermal performance

Maximum service temperature: 120°C.

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

Minimum service temperature: -40°C (fixed and protected installations).

Fire performance

Flame non-propagation based on EN 60332-1 and IEC 60332-1-2.

Fire non-propagation based on EN 50399.

Reaction to fire CPR: Cca -s1b, d2, a1, according to EN 50575.

LSHF (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

Impact resistance: AG2 Medium severity.

Minimum bending radius: x5 cable diameter.

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 25 years based on EN 50618.

Optional: rodent proof and termite proof.

Installation conditions

Open Air.

Buried.

On conduit.

Packaging

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