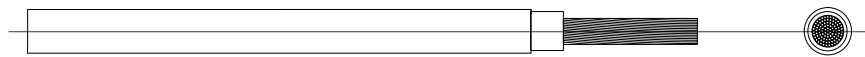


# TOPSOLAR<sup>®</sup> PV H1Z2Z2-K

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<sup>®</sup> 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.

- Solar PV installations - string cable.

PV WIRE ALSO  
AVAILABLE



More information at: [www.topcable.com](http://www.topcable.com)

TOP CABLE TOPSOLAR PV H1Z2Z2-K

## FEATURES



### Electrical performance

Low voltage 1,5/1,5 1kV (1,8) kV DC.  
1,0/1,0 kV ( $U_0/U$ ).



### Based on

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



### Standards and approvals

TÜV / RETIE / RoHS / CE.



### CPR (Construction Products Regulation)

$C_{ca}$  -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:  $C_{ca}$  -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

Minimum bending radius: x5 cable diameter.  
Impact resistance: AG2 Medium severity.



### Chemical performance

Chemical & Oil resistance: Excellent.  
Grease & mineral oils resistance: Excellent.  
**UV** UV Resistant based on EN 50618.  
**O<sub>3</sub>** 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.

## SOLAR CABLES



TOPSOLAR® PV  
H1ZZZ2-K



TOPSOLAR® PV  
H1ZZZ2-K DUAL



TOPSOLAR® PV  
AL 1500 V



TOPSOLAR® PV  
AL 2kV PV WIRE