



# TOPSOLAR PV ZZ-F / H1Z2Z2-K

TÜV & EN solar PV cable.

EN 50618/ TÜV 2Pfg 1169-08 / UTE C 32-502

## DESIGN

### 1. Conductor

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

### 2. Insulation

Low smoke zero halogen (LSZH) rubber.

### 3. Outer sheath

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

## APPLICATIONS

TopSolar ZZ-F is a solar PV cable, TÜV & EN certified, specially designed for the connection of photovoltaic panels. This versatile single-conductor cable is designed to meet the varying needs of the solar industry. Highly flexible cable, compatible with all major connectors. Suitable for wet, damp and humid locations.

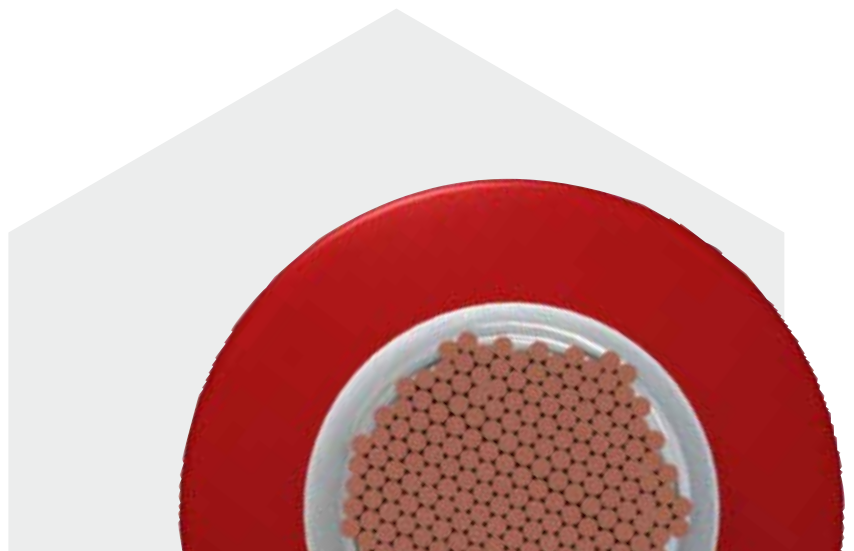
1 ———→

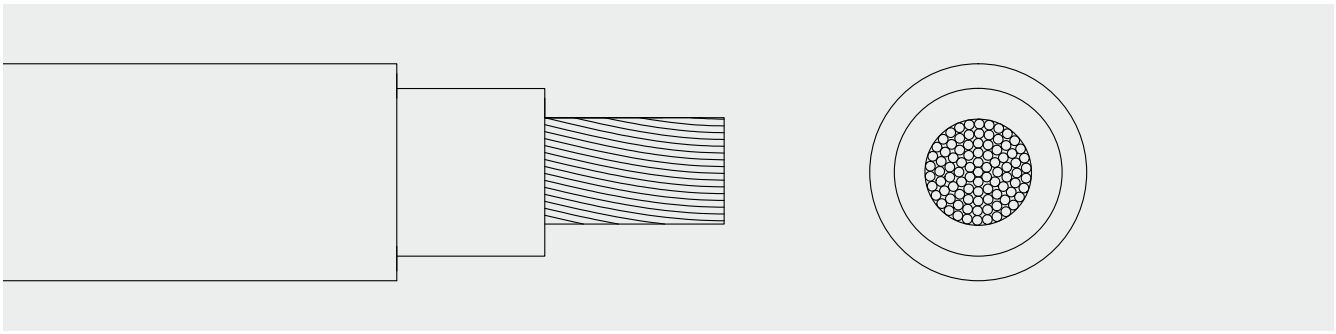
2 ———→

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TOP CABLE TOPSOLAR PV ZZ-F

This cable render is an example from this product range and does not necessarily match the selected core size or number of cores.





## CHARACTERISTICS



### Electrical performance

LOW VOLTAGE 1,5/1,5 1kV · (1,8) kV



### Standard

EN 50618/ TÜV 2Pfg 1169-08 / UTE C 32-502



### Approvals

CE  
TÜV  
EN  
RoHS



### 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 UNE-EN 60332-1 and IEC 60332-1.  
LSZH (Low Smoke Zero Halogen) based on UNE-EN 60754-1 and IEC 60754-1.  
Low smoke emission based on UNE-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

UV Resistant based on EN 50618 and TÜV 2Pfg 1169-08.



### Water performance

Water presence: AD8 submerged.



### Estimated Lifetime

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



### Other

Meter by meter marking.



### Installation conditions

Open Air.  
Buried.



### Applications

Solar PV installations.

