

## TÜV & EN solar PV string cable.

EN 50618/ TÜV 2Pfg 1169-08 / 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

TopSolar string cable 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.





## Characteristics



### Electrical performance

LOW VOLTAGE 1,5/1,5 1kV · (1,8) kV DC.



### Standard

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



### Approvals

CE  
TÜV  
EN  
RoHS



Eca



### 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.  
Reaction to fire CPR: Eca , according to EN 50575.



### 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 - string cable.