

## 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.



## APPLICATIONS

The 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).

## CHARACTERISTICS

<b>Electrical Performance</b>	Low voltage 1,5/1,5 1kV (1,8)kV DC
<b>CPR</b>	Cca-s1,d2,a1, according to EN 50575
<b>Thermal Performance</b>	Maximum service temperature: 120°C Maximum short-circuit temperature: 250°C (max. 5 s). Minimum service temperature: -40°C
<b>Fire Performance</b>	Flame non-propagation: EN 60332-1 and IEC 60332-1 LSZH: UNE-EN 6054-1 and IEC 60754-1 Low smoke emission based on EN 61034 and IEC 61034: Light transmittance > 60% Low corrosive gases emission bases on UNE-EN 60754-2 and IEC 60754-2
<b>Mechanical Performance</b>	Minimum bending radius: 3 x cable diameter Impact resistance: AG2 Medium Severity
<b>Chemical Performance</b>	Chemical performance: Excellent Grease & mineral oils resistance: Excellent UV Resistant according to EN 50618 Ozone resistant based on EN 50618
<b>Water performance</b>	Water presence: AD8 submerged
<b>Standards</b>	EN 50618, IEC 62930, UTE C 32-502
<b>Approvals</b>	TÜV, RETIE, CE, RoHS
<b>Other</b>	Estimated lifetime: 30 years based on UNE-EN 60216-2

## © DIMENSIONS

<b>Cross Section</b>	<b>Diameter</b>	<b>Open Air</b>	<b>Int. on Surface</b>	<b>Int. Adjoining to Surface</b>	<b>Voltage Drop</b>	<b>Weight</b>
<b>(mm<sup>2</sup>)</b>	<b>(mm)</b>	<b>(A)</b>	<b>(A)</b>	<b>(A)</b>	<b>(V/A-km)</b>	<b>(Kg/Km)</b>
<b>1x4.00</b>	5.4	55	52	44	14.3	60
<b>1x6.00</b>	6.0	70	67	57	9.49	80
<b>1x10.0</b>	7.0	98	93	79	5.46	120

\*\* The tolerances on the nominal outer diameters are:

Cables with outer diameter  $\leq 7\text{mm}$ .: -0.1mm - +0.2mm

Cables with outer diameter  $7\text{mm} < d < 10\text{mm}$ .: -0.1mm - +0.3mm

Cables with outer diameter  $d \geq 10\text{mm}$ .: -0.2mm - +0.4mm

\*\* The product and information presented in this document are for calculation only and subject to technical progress.  
Outer diameters are approximately \*\*