

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

Electrical Performance	Low voltage 1,5/1,5 1kV (1,8)kV DC
CPR	Cca-s1,d2,a1, according to EN 50575
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: 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
Mechanical Performance	Minimum bending radius: 3 x cable diameter Impact resistance: AG2 Medium Severity
Chemical Performance	Chemical performance: Excellent Grease & mineral oils resistance: Excellent UV Resistant according to EN 50618 Ozone resistant based on EN 50618
Water performance	Water presence: AD8 submerged
Standards	EN 50618, IEC 62930, UTE C 32-502
Approvals	TÜV, RETIE, CE, RoHS
Other	Estimated lifetime: 30 years based on UNE-EN 60216-2

© DIMENSIONS

Cross Section	Diameter	Open Air	Int. on Surface	Int. Adjoining to Surface	Voltage Drop	Weight
(mm²)	(mm)	(A)	(A)	(A)	(V/A-km)	(Kg/Km)
1x4.00	5.4	55	52	44	14.3	60
1x6.00	6.0	70	67	57	9.49	80
1x10.0	7.0	98	93	79	5.46	120