



**TECHNICAL DATA SHEET
H1Z2Z2-K I**

Working voltage Uo/U: Vca 1/1 kV Vdc 1,5 kV (conductor-conductor and conductor-earth)

APPLICATION:

The single core H1Z2Z2-K cable represents the right solution to link the solar cells between them or to wire frequency converters and terminal boards.

The H1Z2Z2-K cable guarantees good resistance to UV-rays and various weather conditions.

The wide working temperature range allows the use also in extreme conditions, avoiding deterioration caused by heat and permitting a right use of the photovoltaic panel in every season.

CONDUCTOR:

Tinned copper class 5 in accordance with CEI EN 60228

INSULATION:

Halogen free elastomer in accordance with EN 50618

OUTER SHEATH:

Halogen free elastomer in accordance with EN 50618

COLOUR OF SHEATH:

Black - red - blue

MIN BENDING RADIUS:

Cable fix standing min.4 x Ø cable, move standing min.4 x Ø cable

MARKING OF CABLES:

ZONN KABEL H1Z2Z2-K I 1xsect. mm² TÜV Rheinland Reg. Nr. R XXXXXXXXX max 1,8KVdc

TEMPERATURE:

Working temperature: -40 °C +90° C

Characteristic temperature: +90° C

Overload temperature: +120° C

Short circuit temperature: Max +250° C 5 sec

VOLTAGE TEST:

6.500 VAC; 15.000 VDC

ELECTRIC RESISTANCE:

Test according to EN 60228 Cl. 5

DIMENSIONS:

Cross section	Conductor Formation	Nominal Conductor Diameter (±0,1)	Nominal External Diameter	Max electrical resistance
				Tinned copper
mm²	Nr x mm	mm	mm	Ω/km
2,5	50 x 0,25	2,0	4,95 Max 5,50	8,21
4	48 x 0,30	2,4	5,25 Max 5,50	5,09
6	72 x 0,30	3,1	5,80 Max 6,60	3,39
10	76 x 0,40	4,1	6,85 Max 7,50	1,95
16	7 x 16 x 0,40	4,9	8,10 Max 8,90	1,24

