



DESCRIPTION

- Construction standard: EN 50618.
- Low Voltage Directive (LVD) compliant: 2014/35/UE: **Reaction to fire Eca.**
- DoP Number: **E012-ENG-H1Z2Z2K**
- Suitable for photovoltaic installations.
- **TÜV certified product.**

The H1Z2Z2-K cables are born according to our policy of maximum respect for the environment with the will of find a better way to tackle the problem of global energy supply.

Our cables are suitable for both fixed and mobile solar installations, are certified by TÜV and EN. Especially suitable for the connection between photovoltaic panels, and from the panels to the inverter from direct to alternating current. Thanks to the design of its materials, it can be installed outdoors with full guarantees.

TECHNICAL CHARACTERISTICS

Conductor	Class 5 (flexible) tinned copper, based on EN 60228 and IEC 60228.
Insulation	Halogen free XLPO compound
Outer sheath	Halogen free XLPO compound (colors red, black or blue)
Nominal Voltage	1,5/1,5 (1,8) kV C.C
Voltage test	6.500 V C.A. (5 minutes)
Working temperatures	Minimum service temperature -40°C Nominal service temperature 90°C
Maximum service temperature	120°C
Maximum short-circuit temperature (5 sec)	250°C

OTHER CHARACTERISTICS

- Non-flame propagation according to EN 60332-1-2, IEC 60332-1-2.
- Low halogen content according to EN 60754-2, EN 60754-1, IEC 60754-2, IEC 60754-1.
- Low corrosive gas emission according to EN 60754-2, IEC 60754-2.
- Low smoke emission according to EN 61034-2, IEC 61034-2.
- **Fire reaction (CPR) Eca.**
- Great durability even in extreme conditions.
- Ozone resistance according EN 50396.
- UV resistance EN 50618 y HD605/A1
- Water absorption resistance AD7.
- Easy installation and suitable for standard connectors.
- Rodent resistance under request.



Maximum service temperature
120°C according EN 60216



Resistance to extreme
conditions T min -40°C
according EN 60811



Estimated lifetime 30 years
according UNE-EN 60216-2

PRODUCT RANGE

Section	Electric resistance 20°C (Ohm/km)	Insulation thickness (mm)	Outer sheath thickness (mm)	Maximum overall diameter (mm)	Weight (kg/m)
1x4	5,09	0,7	0,8	6,6	0,058
1x6	3,39	0,7	0,8	7,4	0,079
1x10	1,95	0,7	0,8	8,8	0,128
1x16	1,24	0,7	0,9	10,1	0,184
1x25	0,795	0,9	1,0	12,5	0,276
1x35	0,565	0,9	1,1	14,0	0,368

**The values of the outer diameters are approximate, always within production tolerance. For more information, please contact us.*

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