

# Solarleitung 1x6 EN 50618

## Termite Resistant + Anti-rodent

### Data sheet

#### H1Z2Z2-K ANTI-TERMITE AND ANTI-RODENT

Solar cables

Low smoke halogen-free, flexible, single-core power cables with cross-linked insulation and sheath.



#### Technical data

Nominal voltage	1,0/1,0 kVac - 1,5 kVdc
Applications/Usage conditions	The single core H1Z2Z2-K cable represents a right solution to link the solar cells between them or to wire with 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 fotovoltaic panel in every season.
Conductor	Flexible tinned copper
Insulation type	Compound conforming to EN 50618
Sheath type	Compound conforming to EN 50618
Sheath colour	Black, blue, red
Operating temperatures	-40° C   +90° C
Short circuit temperature	+250° C on the conductor (max 5 sec.)
Test voltage	6500 Vac - 15000 Vdc
Cable markings	ELETTRO BRESCIA H1Z2Z2-K I 1xsect. mm <sup>2</sup> TÜV Rheinland Reg. Nr. R 60109330 Dca-s2,d2,a1 max 1,8KVdc
Minimum bending radius	4 times the cable diameter for fixed and mobile laying.
Notes	Special version with anti-termite and anti-rodent masterbach Repela for insects, for rodents and COMBI.

#### Standard references

Main standard	EN 50618
UV Resistance	EN 50618
Conductor	EN 60228; IEC 60228
Self-Extinguishing	EN 60332-1-2; IEC 60332-1-2
Ozone resistance	EN 50396 8.1.3

#### Dimensions

Cross section (Nxmm <sup>2</sup> )	Wires max diameter (mm)	Conductor diameter (mm)	Core thickness (mm)	Core diameter (mm) ± 0,1	Sheath thickness (mm)	Medium outer diameter (mm) ± 0,2	Electrical resistance at 20° C (Ω/km)	Cable approx. weight (kg/km)	Cu factor (Kg/km)
1x2,50	0,250	N/A	0,75	3,50	0,80	5,1	8,2100	47,00	24,00
1x4,00	0,300	N/A	0,72	3,80	0,80	5,4	5,0900	58,00	38,40
1x6,00	0,300	N/A	0,74	4,40	0,80	6,0	3,3900	78,00	57,60

## **Object: Anti-rodent protection**

**In reference to the object of this document we kindly inform you that the product is an additive masterbatch and it is added and embedded in the compound used for the sheath of the final product and its dispersion is not intended.**

**The anti-rodent protection masterbatch is non-toxic, non-hazardous, non-dangerous and environmentally friendly and in line with Reach and RoHS, according to the related technical data sheet.**

**The anti-rodent protection is aimed to protect the sheath of the cable against the attack of rodent of any kind.**

***This declaration is based on all the declarations received from our suppliers and not on analysis made on the products. The declarations of the suppliers are referred to the best of their knowledge of their products and process and are not contemplated potential occasional contaminations. In consequence of this, is not deductible a legally binding guarantee of properties or the qualification for a concrete use.***