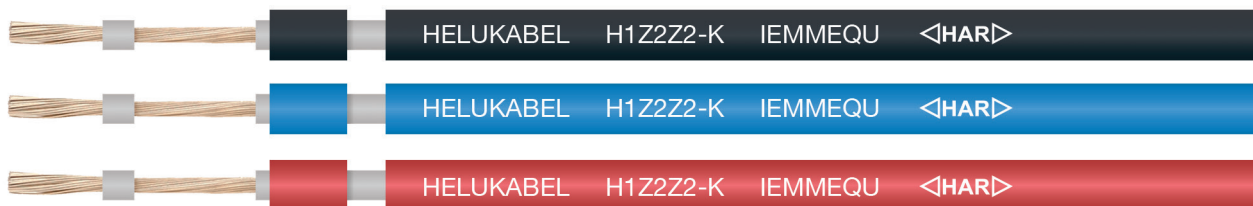


# H1Z2Z2-K

flexible, single core, halogen free, EN 50618



## TECHNICAL DATA

Cable for PV system acc. to EN 50618

Temperature range	fixed -40°C to +90°C <sup>1</sup>
Max. temperature at conductor	+120°C
Max. temperature at conductor (short circuit)	+250°C for 5s
Nominal voltage	U <sub>0</sub> /U 1000/1000 V AC U <sub>0</sub> /U 1500/1500 V DC max. permissible voltage 1800 V DC
Minimum bending radius	fixed: 4x Ø cable

CPR acc. to EN 50575	Eca
Certifications	IEMMEQU <HAR>

### Cable life:

<sup>1)</sup> Continuous operation at + 90°C on the conductor and an ambient temperature of up to + 60°C ensures at least 25 years of service life, while at + 120°C on the conductor and a maximum ambient temperature of + 90°C, the service life is shortened to 20,000 h, i.e. about 2 years and 3 months.

## PROPERTIES

- Resistant to: UV radiation, weathering effects, ozone
- Meets the requirements of the 2nd class of protection in protection against electric shock
- Used for outdoor and indoor installations
- Not suitable for direct burial in the ground, but it is recommended to install it in protective pipes in such a way that water does not accumulate in them.
- Cable lifetime min. 25 years

## TESTS

- Flame-propagation acc. to IEC 60332-1-2
- Halogen-free acc. to EN 50525-1
- Smoke density acc. to EN 61034-2
- UV-resistance acc. to EN 50289-4-17 (A)
- Ozone resistant acc. to EN 50396
- Resistant to heat stress acc. to EN 60216-1+2

## APPLICATION

Cable H1Z2Z2-K is used for cabling PV system.

## CABLE STRUCTURE

- Tinned copper, fine wire conductor cl.5 to DIN VDE 0295/IEC 60228
- Core insulation: special halogen free cross-linked compound
- Insulation color: light gray
- Sheat: special halogen free cross-linked compound
- Sheath color: see table below
- Length marking: in metres

Part no.	No. cores x cross-sec mm <sup>2</sup>	Sheath color	Max. outer Ø mm	Cu wieght kg / km	Weight app. kg / km	No. AWG
18048835	1x2,5	black	5,9	24,0	43	14
18048769	1x4	black	6,6	38,4	60	12
18048770	1x4	red	6,6	38,4	60	12
18048771	1x6	black	7,4	57,6	82	10
18048772	1x6	red	7,4	57,6	82	10
18048828	1x10	black	8,8	96,0	125	8
18048829	1x10	red	8,8	96,0	125	8
18052078	1x16	black	10,1	153,6	185	6
18052079	1x16	red	10,1	153,6	185	6