

HIKRA[®] PLUS

Our TÜV certified solar cable HIKRA[®] PLUS meets the requirements of the DKE (German Electrical Commission) and features optimal mechanical and electrical properties. Robust materials defy the long-term influences of nature and offer a maximum of quality and safety. HIKRA[®] PLUS is made for outdoor and indoor installation, as fixed or flexible installation.

Thanks to its good resistance to atmospheric conditions, the cable can be laid directly underground (internal test)* and it has a specifically water repellency.



Bauart geprüft
Sicherheit
Regelmäßige
Produktions-
überwachung

www.tuv.com
ID 0000040373



► Features

- UV-, ozone- and weather-resistance
- Flame-retardant, halogen-free
- Good abrasion resistance, robust
- * Suitable for use underground – internal test according to UL 854 (Impact-Resistance Test UL 854.23 and Crushing-Resistance Test UL 854.24)
- Specifically water repellency (Long-term insulation resistance in water at 90°C >3GΩ*m)
- Highly flexible for high mechanical stress
- RoHS and REACH-conformant
- Sheath colours: black, red, blue
- 25-year factory warranty from date of delivery. The warranty conditions for HIKRA[®] solar cable apply for intended use, installation and operating conditions.

► Technical Data

- Approvals: DKE (PV1-F), TÜV 2 Pfg. 1169/08.07
- Certificate-No.: R 60089447
- Temperature range: -40° C to +90° C | Highest temperature at conductor: +120° C
- Minimum bending radius flexible | fixed:
- 10x cable dia. | 5x cable dia.
- Nominal voltage [U₀/U]: AC 600 / 1.000 V | DC 900 / 1.500 V
- Test voltage: AC 6.5 kV / DC 15 kV
- Max. voltage 1,8 kV DC (conductor/conductor not grounded system, non-loaded circuit)

► Construction

- Tin-plated copper strand, fine wire as per DIN EN 60228 class 5
- Polyolefin, double insulated
- Insulation / Chemically cross-linked special compound

Colour scheme



Order No.			No. of cores x cross section in mm ²	Conductor construction n x max-ø (mm)	Maximum of conductor resistance (Ω/km)	External diameter approx. (± 0,2 mm)	CU-rate kg/km
black	red	blue					
728643	728651	728654	1 x 4,0	56 x 0,31	5,09	5,7	38,4
728644	728652	728655	1 x 6,0	80 x 0,31	3,39	6,4	57,6
728645	728653	728656	1 x 10,0	80 x 0,41	1,95	7,3	96,0