

Solar Flex[®]

Our TÜV certified solar cable Solar Flex[®] 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.

Solar Flex[®] is made for outdoor and indoor installation, as fixed installation or steady movement in free motion.



Bauart geprüft
Sicherheit
Regelmäßige
Produktions-
überwachung



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ID 0000038809

► Features

- UV-, ozone-, acid-, alkali- and weather resistance
- Flame-retardant, halogen-free
- Good abrasion resistance, robust
- Highly flexible for high mechanical stress
- RoHS and REACH conform
- Sheath colours: black, red, blue
- 25-year factory warranty from date of delivery. The warranty conditions for Solar Flex[®] solar cable apply for intended use, installation and operating conditions.

► Technical Data

- DKE (PV1-F), TÜV 2 Pfg. 1169/08.07 (R 60039795)
- Temperature range flexible | fixed: -25°C bis +125°C | -50°C bis +150°C
- Minimum bending radius flexible | fixed: 10x cable dia | 4x cable dia
- Short-circuit-proof up to 200°C/5s thanks to double insulation
- Nominal voltage [U₀/U]: AC 600 / 1.000 V | DC 900 / 1.500 V
- Test voltage: AC 6.5 kV / 15 kV DC
- Maximum voltage DC 1.8 kV (conductor/conductor, not grounded system, unloaded circuit)

Construction

- Tin-plated copper strand, fine wire per IEC 60228 class 5
- Double insulated
- Isolation: Chemically cross-linked special compound

Colour scheme



| Order No. | | | No. of cores x cross-section in mm ² | Construction of conductor (in mm) | Maximum of conductor resistance (Ω/km) | External diameter ca. (± 0,2 mm) | CU quant. ca. kg/km | Weight ca. kg/km |
|-----------|----------|----------|---|-----------------------------------|--|----------------------------------|---------------------|------------------|
| black | red | blue | | | | | | |
| 72 03 06 | 72 13 03 | 72 13 07 | 1 x 2,5 | 44 x 0,25 | 8,21 | 4,5 | 20,7 | 38 |
| 72 03 07 | 72 13 04 | 72 13 08 | 1 x 4,0 | 50 x 0,30 | 5,09 | 5,0 | 33,8 | 54 |
| 72 03 08 | 72 13 05 | 72 13 09 | 1 x 6,0 | 74 x 0,30 | 3,39 | 5,6 | 50,4 | 74 |
| 72 03 09 | 72 13 06 | 72 13 10 | 1 x 10,0 | 74 x 0,40 | 1,95 | 6,9 | 88,1 | 119 |
| 72 03 10 | - | - | 1 x 16,0 | 114 x 0,40 | 1,24 | 7,7 | 136,9 | 174 |
| 72 03 11 | - | - | 1 x 25,0 | 189 x 0,40 | 0,795 | 9,3 | 229,2 | 296 |
| 72 03 12 | - | - | 1 x 35,0 | 259 x 0,40 | 0,565 | 10,7 | 314,9 | 397 |

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