

Nominal voltage
AC 1 kV / DC 1.5 kV

HELUKABEL®

SOLARFLEX®-X H1Z2Z2-K

1500 V DC, EN 50618



Technical data

- **Temperature range**
-40°C to +90°C
max. temperature at conductor +120°C
- **Nominal voltage**
AC 1.0/1.0 kV / DC 1.5/1.5 kV
- **Test voltage**
AC 6.5 kV
- **Minimum bending radius**
fixed installation 5x cable Ø

Cable structure

- Tinned copper conductor, fine wired acc. to DIN VDE 0295 cl.5, IEC 60228 cl.5
- 1st core insulation: special cross-linked compound
- 2nd core insulation: special cross-linked compound
- Sheath colour: see table

Properties

- Double-insulated
- Complies with protection class II
- UV-resistant
- Ozone-resistant

Application

The SOLARFLEX®-X is used for cabling solar panels. **CE** = Product conforms with Low-Voltage Directive 2014/35/EU.

Part no.	No. cores x cross-sec. mm²	Sheath colour	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG no.
713529	1 x 2.5	black	5.0	24.0	41.0	14
713544	1 x 2.5	blue	5.0	24.0	41.0	14
713543	1 x 2.5	red	5.0	24.0	41.0	14
713530	1 x 4	black	5.4	38.4	55.0	12
713546	1 x 4	blue	5.4	38.4	55.0	12
713545	1 x 4	red	5.4	38.4	55.0	12
713531	1 x 6	black	6.2	57.6	82.0	10
713570	1 x 6	blue	6.2	57.6	82.0	10
713569	1 x 6	red	6.2	57.6	82.0	10
713532	1 x 10	black	7.4	96.0	123.0	8
713572	1 x 10	blue	7.4	96.0	123.0	8
713571	1 x 10	red	7.4	96.0	123.0	8

Dimensions and specifications may be changed without prior notice

Tests

- Halogen-free acc. to EN 50267, IEC 60754
- Flame retardant acc. to IEC 60332-1-2
- Smoke density acc. to IEC 61034
- Weathering/UV-resistant acc. to EN 50618 Annexe E
- EN 50289-4-17 Method A

- Ozone-resistant acc. to EN 50396 Clause 8.1.3 Method B

Approvals

- EN 50618
TÜV Rheinland 2 PfG 1990/05.12
TÜV R60115689

Connecting cable - from the inverter to the grid

HELUKABEL® supplies a wide range of connecting cables for wiring the inverter to the grid. With a wide range of stock and the most modern

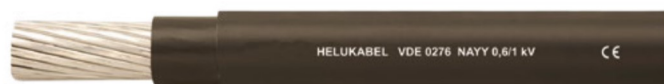
logistics centre in the cable industry, we can deliver directly to the customer's location, quickly and on time. www.helukabel.com/power-cables

With power cables, you have the choice - copper or aluminium



NAYY Power Cable

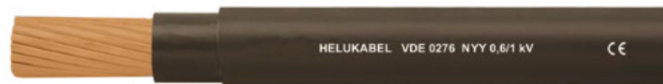
0.6/1kV, Aluminium, VDE approved



No. of cores: 1 to 5
Cross-section: 16 mm² to 630 mm²
Temperature range: flexing: -5°C to +50°C,
fixed installation: -40°C to +70°C

NYY Power Cable

0.6/1kV, Copper, VDE approved



No. of cores: 1 to 61
Cross-section: 1.5 mm² to 240 mm²
Temperature range: flexing: -5°C to +50°C,
fixed installation: -40°C to +70°C