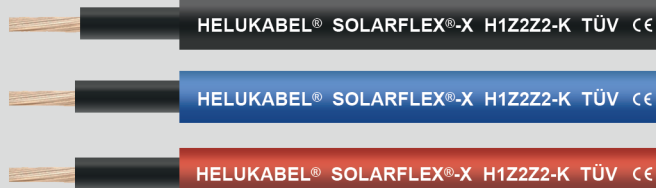


SOLARFLEX®-X H1Z2Z2-K

1500 V DC, EN 50618



Technical data

- Cables for PV systems acc. to EN 50618
- **Temperature range**
-40°C to +90°C
- Permissible **operating temperature**
at the conductor +120°C
- **Nominal voltage**
AC 1,0/1,0 kV
DC 1,5/1,5 kV
- **Maximum permissible DC voltage**
1.8 kV
- **Test voltage**
AC 6,5 kV
- **Minimum bending radius**
fixed installation 5x outer Ø

Cable structure

- Tinned copper conductor, fine wire acc. to DIN VDE 0295 cl.5 / IEC 60228 cl.5
- Core insulation: special cross-linked compound
- Sheath: special cross-linked compound
- Sheath colour: see table below

Properties

- Complies protection class II
 - UV-resistant
 - Ozone resistant
- ### Tests
- Halogen-free acc. to DIN VDE 0285-525-1 / DIN EN 50525-1 appendix B / DIN EN 60754-1 / IEC 60754-1
 - Flame retardant acc. to IEC 60332-1-2
 - Smoke density acc. to IEC 61034
 - Weathering/UV-resistance acc. to EN 50618 appendix E
 - Ozone resistant acc. to EN 50618
 - Water resistant acc. to DIN VDE 0285-525-2-21 / DIN EN 50525-2-21 Annex E
 - DC Voltage resistance of insulation acc. to DIN VDE 0283-618 / DIN EN 50618 Tab. 2

Approvals

- EN 50618 / TÜV

Application

The SOLARFLEX®-X is used for cabling solar modules. Suitable for direct burial. Recommendation: Laying in pipe. Not suitable for the permanent installation in water.

CE = Product conforms with Low-Voltage Directive 2014/35/EU.

Part no.	No. cores x cross-sec. mm ²	Sheath colour	Outer Ø min. - max. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
713529	1 x 2,5	black	4,8 - 5,4	24,0	45,0	14
713544	1 x 2,5	blue	4,8 - 5,4	24,0	45,0	14
713543	1 x 2,5	red	4,8 - 5,4	24,0	45,0	14
713530	1 x 4	black	5,2 - 5,9	38,4	60,0	12
713546	1 x 4	blue	5,2 - 5,9	38,4	60,0	12
713545	1 x 4	red	5,2 - 5,9	38,4	60,0	12
713531	1 x 6	black	5,8 - 6,4	57,6	80,0	10
713570	1 x 6	blue	5,8 - 6,4	57,6	80,0	10
713569	1 x 6	red	5,8 - 6,4	57,6	80,0	10
713532	1 x 10	black	6,9 - 7,7	96,0	126,0	8
713572	1 x 10	blue	6,9 - 7,7	96,0	126,0	8
713571	1 x 10	red	6,9 - 7,7	96,0	126,0	8

Dimensions and specifications may be changed without prior notice.