

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, black
- 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 50396 Clause 8.1.3 Methode B

Approvals

- EN 50618 / TÜV

Application

The SOLARFLEX®-X is used for cabling solar modules.

Suitable for direct burial. Recommendation: Laying in pipe.

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

Part no.	No. cores x cross-sec. mm ²	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
713529	1 x 2,5	5,0	24,0	41,0	14
713544	1 x 2,5	5,0	24,0	41,0	14
713543	1 x 2,5	5,0	24,0	41,0	14
713530	1 x 4	5,4	38,4	55,0	12
713546	1 x 4	5,4	38,4	55,0	12
713545	1 x 4	5,4	38,4	55,0	12

Part no.	No. cores x cross-sec. mm ²	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
713531	1 x 6	6,2	57,6	82,0	10
713570	1 x 6	6,2	57,6	82,0	10
713569	1 x 6	6,2	57,6	82,0	10
713532	1 x 10	7,4	96,0	123,0	8
713572	1 x 10	7,4	96,0	123,0	8
713571	1 x 10	7,4	96,0	123,0	8

Dimensions and specifications may be changed without prior notice.