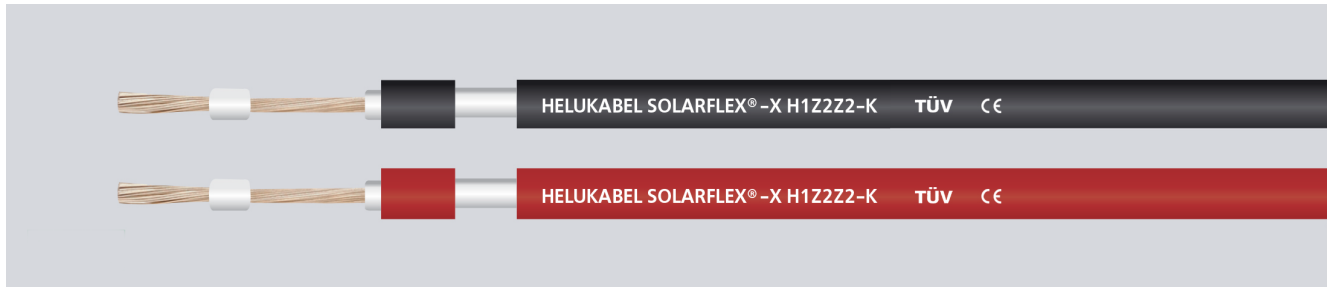


SOLARFLEX®-X H1Z2Z2-K

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: Cross-linked Polyolefin
- Sheath: Cross-linked Polyolefin
- 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 / AD8 category Test Acc. to EN 50525-2-21"Annex E"
(after immersion for 100 days to 50c)
 - DC Voltage resistance of insulation acc. to DIN VDE 0283-618 /DIN EN 50618 Tab. 2

Approvals

- EN 50618 / TÜV

Application

The SOLARFLEX® -X H1Z2Z2-K is used for cabling solar modules. Suitable for direct burial. Recommendation: Laying in pipe, Suitable for Solar Rooftop, Solar Farm and Solar Floating application.

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

Part no.	No.cores x cross-sec. mml	Sheath colour	Outer Ø approx. mm	No. cond./wire Ø mm	AWG-No.
713530	1 x 4	black	5,5±0,15	52/0,3±0,008	12
713545	1 x 4	red	5,5±0,15	52/0,3±0,008	12
713531	1 x 6	black	6,1±0,15	78/0,3±0,008	10
713569	1 x 6	red	6,1±0,15	78/0,3±0,008	10
713532	1 x 10	black	7,2±0,18	77/0,4±0,008	8
713571	1 x 10	red	7,2±0,18	77/0,4±0,008	8