

SOLARFLEX®-X H1Z2Z2-K NTS

1500 V DC , with rodent protection



TECHNICAL DATA

Cross-linked single core cable in alignment with DIN VDE 0283-618 / DIN EN 50618

Temperature range	fixed -40°C to +90°C
Permissible operating temperature of the conductor	+120°C
Nominal voltage	AC U ₀ /U 1000/1000 V DC U ₀ /U 1500/1500 V
Test voltage	6500 V
Minimum bending radius	fixed 5x Outer-Ø

CABLE STRUCTURE

- Copper wire tinned, finely stranded acc. to DIN VDE 0295 Class 5 / IEC 60228 Class 5
- Core insulation: cross-linked compound
- x = without protective conductor
- Outer sheath: cross-linked compound
- Sheath colour: see table
- Stainless steel braiding (V2A)

PROPERTIES

- resistant to: UV radiation, ozone, weathering effects
- for outdoor use
- halogen-free

TESTS

- halogen-free acc. to DIN VDE 0482-754-1 / DIN EN 60754-1 / IEC 60754-1
- flame-retardant acc. to DIN VDE 0482-332-1-2 / DIN EN 60332-1-2 / IEC 60332-1-2
- smoke density acc. to DIN VDE 0482-1034-1+2 / DIN EN 61034-1+2 / IEC 61034-1+2
- UV-resistant acc. to DIN VDE 0283-618 / DIN EN 50618 Appendix E
- ozone-resistant acc. to DIN VDE 0283-618 / DIN EN 50618
- weather-resistant acc. to DIN VDE 0283-618 / DIN EN 50618 Appendix E
- DC Voltage resistance of the insulation acc. to DIN VDE 0283-618 / DIN EN 50618 Tab. 2

APPLICATION

SOLARFLEX®-X H1Z2Z2-K NTS is used for wiring solar modules. The maximum permissible DC voltage of the system in which the cable is installed must not exceed 1.8 kV. The cable is suitable for use in and on devices and systems with protective insulation (protection class II). Basic version H1Z2Z2-K according to DIN EN 50618 / TÜV.

NOTES

- the conductor is metrically (mm²) constructed, AWG numbers are approximated, and are for reference only

No. cores x cross-sec. mm ²	AWG, approx.	Outer-Ø min - max mm	Cu-weight kg/km	Weight kg/km, approx.	blue	red	black
					Part no.	Part no.	Part no.
1 x 4	12	5.9 - 6.6	38.4	85.0	11022800	11022803	17000101
1 x 6	10	6.5 - 7.1	57.5	112.0	11022801	11022804	17000102
1 x 10	8	7.6 - 8.4	96.0	158.0	11022802	11022805	17000103

08.03.2022 / We reserve the right to make technical changes; the imprint in the image is purely exemplary