We Make Modern Life Possible.



SOLAR CABLES

H1Z2Z2-K

Solar cable, halogen-free

Solar cable belongs to solar-/photovoltaic systems, can also be laid in ground and is uv- and weather resistant.

TECHNICAL DATA

Standard
EN 50618
EN 50575:2014 + EN 50575/A1:2016

Test Voltage
6,5 kV / 50 Hz

Rated Voltage
1/1.5 kV (Uo/U)

Bending radius (min.)
4 x Ø of cable (fixed installed)
6 x Ø of cable (free motion)

Fire properties
EN 60332-1-2: flame retardant
CPR classification: Eca

Core identification
Grey

Temperature range
Laying temperature: min. -40°C
Operating temperature: -40°C up to 90°C
Conductor temperature: max. 90°C
Short circuit temperature: max. 200°C
Fixed installation: -40°C up to 120°C
Flexible use: -25°C up to 120°C

DESIGN



1. Tinned copper conductor, fine wire (-K)
2. Core insulation (cross-linked polyolefin copolymer)
3. Sheath (cross-linked polymer compound black, red or blue)

Nominal cross-section (mm²)	Max. conductor resistance (Ω/km)	Outer diameter appr. (mm)	Total weight appr. (kg/km)	Standard lengths/packing (m)
1.5	13.7	5.0	30	500 SP, 1000 SP
2.5	8.21	5.4	43	500 SP, 1000 SP
4	5.09	6.6	58	500 SP, 1000 SP
6	3.39	7.4	79	500 SP, 1000 SP
10	1.95	8.8	128	500 SP, 1000 SP
16	1.24	10.1	185	500 D, 1000 D
25	0.795	12.5	277	500 D, 1000 D
35	0.565	14.0	369	500 D, 1000 D
50	0.393	16.3	557	500 D, 1000 D
70	0.277	18.7	767	500 D, 1000 D
95	0.21	20.8	912	500 D, 1000 D
120	0.164	14.2	1233	500 D, 1000 D
150	0.132	25.5	1540	500 D, 1000 D
185	0.108	28.5	1833	500 D, 1000 D
240	0.082	32.1	2450	500 D, 1000 D

Technical changes reserved. All figures are therefore without guarantee.

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