



H1Z2Z2-K

Solar cable, halogen-free

SOLAR CABLES

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 (U₀/U)



Bending radius (min.)

4 x \varnothing of cable (fixed installed)

6 x \varnothing 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 (mm ²)	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	24.2	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

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