

## Product Characteristics

### Technical Parameters

- Rated voltage: U0/U1.0/1.0KV(AC) 1500V(DC)
- Test voltage: AC6.5KV/5min(20°C±0.5) Or DC15KV/5min(20°C±0.5) without breakdown
- Ambient temperature: -40°C~+90°C
- Conductor maximum temperature: 120°C
- Expected service life: 25 years
- Bending radius: ≥4D

### Features and compliance

- Fire resistance: EN 60332-1-2
- Weathering/UV resistance: EN 50289-4-17/EN ISO4892
- Halogen determination: EN 50525
- Salt Spray Emission: IEC 61034
- Compliance: ROHS TUV
- Compliance: EN 50218:2014/IEC 60930:2017

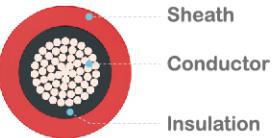
### DC cables

- H1Z2Z2-K



## H1Z2Z2-K

TUV Single Core Solar Cable EN50618/IEC62930



### Structural dimensions and parameters

Model	Specification mm <sup>2</sup>	Insulation nominal thickness mm	Sheath nominal thickness mm	Approximate outer diameter of finished product mm	Maximum DC resistance of conductor at 20°C Ω/km	Minimum insulation resistance at 90°C m Ω/km
H1Z2Z2-K	1.5	0.7	0.8	4.6	13.7	0.86
H1Z2Z2-K	2.5	0.7	0.8	5.0	8.21	0.69
H1Z2Z2-K	4.0	0.7	0.8	5.55	5.09	0.58
H1Z2Z2-K	6.0	0.7	0.8	6.15	3.39	0.50
H1Z2Z2-K	10	0.7	0.8	7.4	1.95	0.42
H1Z2Z2-K	16	0.7	0.9	8.52	1.24	0.34
H1Z2Z2-K	25	0.9	1.0	10.6	0.795	0.34
H1Z2Z2-K	35	0.9	1.1	12.5	0.565	0.29
H1Z2Z2-K	50	1.0	1.2	14.2	0.393	0.27
H1Z2Z2-K	2X1.5	0.7	0.8	4.6X9.7	13.7	0.86
H1Z2Z2-K	2X2.5	0.7	0.8	5.0X10.5	8.21	0.69
H1Z2Z2-K	2X4.0	0.7	0.8	5.55X11.6	5.09	0.58
H1Z2Z2-K	2X6.0	0.7	0.8	6.15X12.8	3.39	0.50
H1Z2Z2-K	2X10	0.7	0.8	7.4X15.3	1.95	0.42

### Reference table for quick selection of carrying capacity

Cross-sectional area mm <sup>2</sup>	Recommended value of carrying ampacity (A)	Maximum conductor resistance at 20°C (Ω/km)	
		Copper conductor	Laying in the air
0.5	30		40.1
0.75	41		26.7
1.0	55		20.0
1.5	70		13.7
2.5	98		8.21
4	132		5.09
6	176		3.39
10	218		1.95
16	276		1.24
25	24		0.795
35	33		0.565
50	44		0.393

Note: Ambient temperature 30°C; conductor maximum temperature 90°C