

H1Z2Z2-K

TUV Single Core Solar Cable EN50618/IEC62930



Structural dimensions and parameters

Model	Specification mm ²	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	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

Reference table for quick selection of carrying capacity

Cross-sectional area mm ²	Copper conductor	Carrying ampacity conversion factor for different ambient temperatures	
Copper conductor	Laying in the air	Ambient temperature °C	Conversion factor
4	55	30	1.0
6	70	40	0.91
10	98	50	0.82

Model	Rated Voltage	Length	Color
H1Z2Z2-K (100μas)/4sq.mm./RED	AC : 1/1 KV DC : 1.5 KV	100m	Red
H1Z2Z2-K (100μas)/4sq.mm./BLACK		100m	Black
H1Z2Z2-K (100μas)/6sq.mm./RED		100m	Red
H1Z2Z2-K (100μas)/6sq.mm./BLACK		100m	Black
H1Z2Z2-K (100μas)/10sq.mm./RED		100m	Red
H1Z2Z2-K (100μas)/10sq.mm./BLACK		100m	Black

DC SOLAR PV CABLE



Sheath
Conductor
Insulation

Insulation: Low smoke halogen free irradiated crosslinked polyolefin (XLPO)



Conductor: Annealed soft tin copper

Sheath: Low smoke halogen free irradiated crosslinked polyolefin (XLPO)



UV and ozone resistant
hydrolysis resistant



High temperature resistance
service life of more than 25 years



Halogen-free and low-smoke
material, in line with environmental
protection requirements



Compatible with all
common connectors