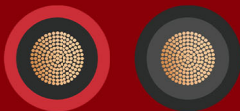


**SOWELL SOLAR**

**SOWELLSOLAR  
Safety Solar  
Photovoltaic  
Cable**



[WWW.SOWELL-SOLAR.COM](http://WWW.SOWELL-SOLAR.COM)



**PV-H1 SERIES**

SOLAR DC CABLE

EN50618 / H1Z2Z2-K 1500V

(IEC62930 62930IEC131 1500V)

Range of cross sectional area: 1.5mm<sup>2</sup>-35mm<sup>2</sup>

**10  
YEARS  
LIMITED  
PRODUCT  
WARRANTY**

**25  
YEARS  
SERVICE  
LIFE**

# Sowell Solar

## SOLAR DC CABLE ( Tinned Copper )

### PV-H1 SERIES

SOLAR DC CABLE

EN50618 / H1Z2Z2-K 1500V ( IEC62930 62930IEC131 1500V)

Range of cross sectional area: 1.5mm<sup>2</sup>-35mm<sup>2</sup>

### Application

Halogen free cross-linked polyolefin double layers photovoltaic cables for use at the photovoltaic power systems. This cable can match with most PV-components like PV-junction boxes and PV-connectors, which have a rated voltage of 1500 V DC.

### Cable surface marking

TÜV SÜD EN50618 H1Z2Z2-K 1X \*\* mm<sup>2</sup> DC 1500V DO NOT DISCONNECT

UNDER LOAD SOWELLSOLAR

TÜV SÜD IEC62930 63930IEC131 1X \*\* mm<sup>2</sup> DC 1500V DO NOT DISCONNECT

UNDER LOAD SOWELLSOLAR

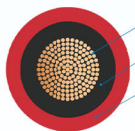
### Certificate

EN50618:2016 & IEC62930 ed.1 & CE

B1161110001

Cable design	
Conductor	Tinned copper wires, according IEC 60228, Class 5
Insulation	125°C Low-Smoke Halogen-Free Flame Retardant Polyolefins
Sheath	125°C Low-Smoke Halogen-Free Flame Retardant Polyolefins
Special technology	Electron beam cross-linked

Electrical characteristics	
Rated voltage U <sub>0</sub> /U	AC 1000V, DC 1500V
Temperature range	-40°C up to +90°C
Max. temperature at conductor	120°C
Min. bending radius	5 x cable diameter
Industry Standards	EN 50618:2014
Tensile strength and elongation	EN 60811-1-1
Cold bending	EN 60811-504
Thermal endurance properties	EN60216-1 /-2
Halogen free	50525-1 ANNEX B
Ozone resistance	EN60811-403 / EN 50396
UV resistance	HD 605/A1
Flame characteristics	IEC 60332-1-2



- Conductor: Copper, tin plated
- Insulation: 125°C XLPO, Cross-Linked
- Sheath: 125°C XLPO, Cross-Linked



# Sowell Solar

## SOLAR DC CABLE ( Tinned Copper )

Product selection table

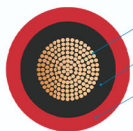
Part No.	Conductor cross section mm <sup>2</sup>	Strand design Number x Ø mm	Conductor resistance Ω / km 20°C	Outer-Ømm	Sheath Color
PV-H1-15B	1X1.5	30/0.25	13.70	4.7±0.1mm	Black
PV-H1-15R	1X1.5	30/0.25	13.70	4.7±0.1mm	Red
PV-H1-25B	1X2.5	49/0.25	8.21	5.3±0.1mm	Black
PV-H1-25R	1X2.5	49/0.25	8.21	5.3±0.1mm	Red
PV-H1-40B	1X4,0	56/0.282	5.09	5.6±0.1mm	Black
PV-H1-40R	1X4,0	56/0.282	5.09	5.6±0.1mm	Red
PV-H1-60B	1X6,0	84/0.282	3.39	6.1±0.1mm	Black
PV-H1-60R	1X6,0	84/0.282	3.39	6.1±0.1mm	Red
PV-H1-100B	1X10	77/0.4	1.95	7.3±0.1mm	Black
PV-H1-100R	1X10	77/0.4	1.95	7.3±0.1mm	Red
PV-H1-160B	1X16	126/0.4	1.24	9.3±0.1mm	Black
PV-H1-160R	1X16	126/0.4	1.24	9.3±0.1mm	Red
PV-H1-250B	1X25	196/0.4	0.795	11.2±0.1mm	Black
PV-H1-250R	1X25	196/0.4	0.795	11.2±0.1mm	Red
PV-H1-350B	1X35	273/0.4	0.565	12.6±0.1mm	Black
PV-H1-350R	1X35	273/0.4	0.565	12.6±0.1mm	Red

\* Dimensions and specifications may be changed without prior notice.

Package

Type	Meters/roll	Rolls/Pallet	Pallets/20GP	Qty/20GP	Kgs G.W
4mm	100	116+116	10+10	232000 Meters	13920
4mm	500	18+27	10+10	225000 Meters	13500
4mm	1000	12+18	10+10	300000 Meters	18000
6mm	100	116+116	10+10	232000 Meters	18560
6mm	500	18+27	10+10	225000 Meters	18000
6mm	1000	12+12	10+10	240000 Meters	19200

Other package can be customized.



- Conductor: Copper, tin plated
- Insulation: 125°C XLPO, Cross-Linked
- Sheath: 125°C XLPO, Cross-Linked

