



10 years  
product  
warranty

# HI-CABLE

4/6/10/16mm<sup>2</sup>

## You will also benefit from

- 10 years product warranty
- 25 years service life
- direct burial
- 100% proved quality

## Versatile applications

Suitable for use indoors, outdoors, in areas where there is a potential for explosions, in industrial, commercial and agricultural operations, as well as in installation applications on water and for direct burial in ground – in accordance with the corresponding guidelines.

## Maximum tested

Tested for a minimum service life of more than 25 years and complies with the latest VDE and TÜV standards. Better result than required by the standard for flame propagation in cable harnesses and smoke emission.



# HIGON HI-CABLE (4/6/10/16mm<sup>2</sup>)

## Applications

- Double insulated, electro-beam cross-linked cables for photovoltaic power applications

## Construction

- Conductor Tinned fine copper strands acc. to VDE 0295/ IEC 60228, Class 5
- Insulation XLPO, flame retardant, halogen free, electron-beam cross-linked
- Jacket XLPO, flame retardant, halogen free, electron-beam cross-linked
- Insulation color  Black  
Jacket color  Black or  Red

## Mechanical Feature

- Bending radius 4 x outer diameters
- Temperature range at conductor +120°C -40°C to + 90°C, Max. temp.
- Short circuit temperature 250°C for 5s
- Flame-resistant test acc. to EN 60332-1-2
- Anticipated service life 25 years

## Electrical Characteristics

- Rated voltage DC 1500V  
AC U<sub>0</sub>/U: 1.0/1.0kV
- max. permitted voltage U<sub>0</sub> 1800Vdc
- Insulation resistance 1000MΩ/KM
- Test Voltage(AC) AC 6.5kV, 50Hz, 5 mins

Cross section nxmm <sup>2</sup>	Conductor Ø mm	Outer Ø mm	Current-carrying capacity [A] at 60°C	Conductor resistance kΩ / km at 20°C	Weight app. kg / km	Cable Code
1x1.5	1.5	4.3	30	13.7	30	PV302515
1x2.5	2.0	5.2	42	8.21	42	PV502525
1x4.0	2.5	5.5	55	5.09	55	PV562940
1x6.0	3.3	6.3	70	3.39	68	PV842960
1x10.0	4.3	7.8	98	1.95	98	PV142301
1x16.0	5.3	9.2	132	1.24	132	PV228301
1x25.0	6.6	11.3	176	0.795	176	PV361302
1x35.0	7.8	13.3	218	0.565	218	PV525303
1x50.0	9.3	14.8	280	0.393	280	PV720305
1x70.0	11.4	16.9	350	0.277	350	PV988307
1x95.0	12.8	18.7	410	0.210	410	PV134930
1x120.0	14.6	20.7	480	0.164	480	PV169130

Contact Us for More Information

web: [www.higonsolar.com](http://www.higonsolar.com) email: [info@higonsolar.com](mailto:info@higonsolar.com)

TASTE THE SUN