



KRAFT solar

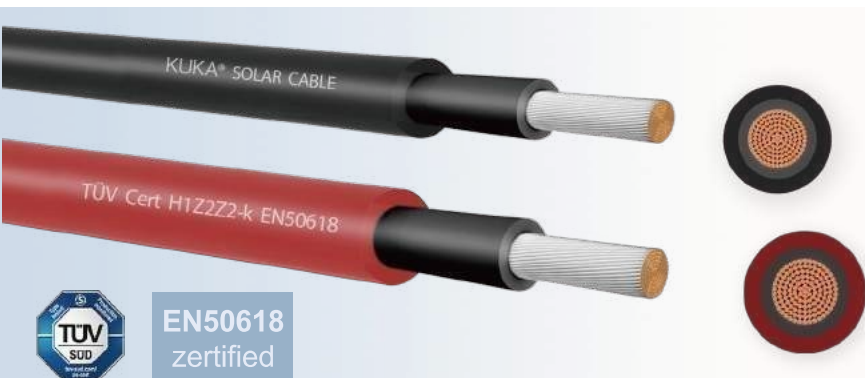
Photovoltaic Solar Cable

Distribution by Solar Way PV LTD. Bulgaria

Email: info@solar-way.bg



Solar cable H1Z2Z2-K



Advantages

- EN50618 approval
- Double insulated Electron-beam cross-linked compounds
- UV, ozone and hydrolysis resistant
- Halogen free, flame retardant
- Flexible, easy to strip
- Compatible to all connectors
- Meter marking – easy installation

Applications

- Double insulated, electron-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 -40 °C to +90 °C, Max. temp. at conductor +120 °C
- Short circuit temperature 250°C for 5 s
- Flame-resistant test acc. to EN 60332-1-2
- Anticipated service life 25 years

Electrical characteristics

- Rated voltage DC 1500 V
AC U_0/U : 1.0/1.0 kV
- max. permitted voltage U_0 1800 V DC
- Insulation resistance 1000MΩ/KM
- Test Voltage (AC) AC 6.5kV, 50Hz, 5 min

Cross section nxmm ²	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

Dimensions and specifications may be changed without prior notice.

Solar cable PV1-F



Advantages

- TÜV approval, PV1-F 2 PFG 1169
- Double insulated Electron-beam cross-linked compounds
- UV, ozone and hydrolysis resistant
- Halogen free, flame retardant
- Flexible, easy to strip
- Compatible to all connectors
- Meter marking – easy installation

Applications

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

Electrical characteristics

- Rated voltage DC 1kV
AC U_0/U : 0.6/1.0 kV
- max. permitted voltage U_0 1800 V DC
- Insulation resistance 1000MΩ/KM
- Test Voltage (AC) AC 6.5kV, 50Hz, 5 min

Cross section nxmm ²	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	1.4	4.2	30	13.7	30	PVF302515
1x2.5	1.8	5.0	42	8.21	42	PVF502525
1x4.0	2.2	5.2	55	5.09	55	PVF562940
1x6.0	2.8	5.8	70	3.39	68	PVF842960
1x10.0	4.0	7.5	98	1.95	98	PVF142301
1x16.0	5.0	8.9	132	1.24	132	PVF228301
1x25.0	6.2	10.9	176	0.795	176	PVF361302
1x35.0	7.3	12.8	218	0.565	218	PVF525303
1x50.0	8.8	14.3	280	0.393	280	PVF720305
1x70.0	11.0	16.5	350	0.277	350	PVF988307
1x95.0	12.3	18.2	410	0.210	410	PVF134930
1x120.0	14.1	20.2	480	0.164	480	PVF169130

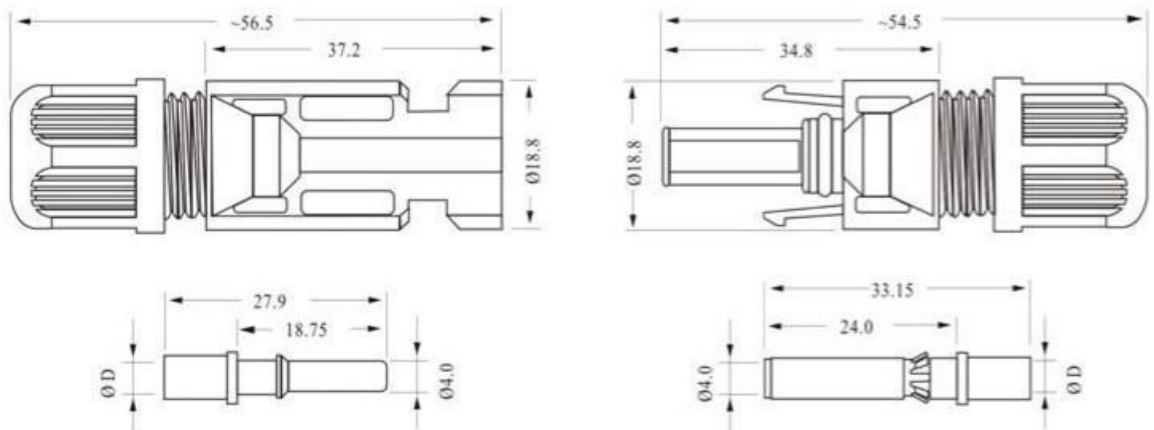
Solar MC4 Connector Specification

Technical data:

Insulation material: PPO
 Rated current: 30A
 Rated voltage: 1500V
 Test voltage: 6KV(50Hz,1Min)
 Contact resistance: 5mΩ
 Protection degree: IP67
 Safe class: II
 Flame class: UL94-V0
 Insertion force: ≤50N
 Withdarawal force: ≥50N
 Ambient temperature range: -40 °C~+90°C
 Suitable cable: 2.5~6.0mm² AWG14/12/10
 Pin dimensions: φ4.0mm



Construction:



Main feature:

1. Connector adopts touch and insertion of reed with inner-knob type.
2. Popular figure suit most of field installation.
3. Mating safety provided by keyed housings.
4. Mutiple plugging and unplugging cycles.
5. Accoomodates PV cable with deferent insulation diameters.
6. High current carrying capacity.
7. Water proof and dust proof.
8. Simple, quick installation.