

H1Z2Z2-K/PV Solar Cable



Advantage

- Direct burial
- UV resistant
- VW-1/ FT1 & FT2
- More economical

Characteristics

- **Rated Voltage**
1500V DC
- **Temperature Rating**
90°C
- **According to**
EN50618 UL4703
- **Certificate Number**
R50477532 E517066

Cable Structure

- **Conductor:** Tinned soft copper conductor
- **Inner Layer:** XLPO All colour
- **Outer Layer:** XLPO All colour

Test Item

- **Halogen-free** acc. to DIN EN50525-1
- **Flame Retardant** acc. to DIN EN60332-1-2/UL2556
- **Smoke Density** acc. to DIN EN61034-2
- **UV-resistant** acc. to DIN EN50618/UL2556
- **Ozone-resistant** acc. to DIN EN60811-403/UL2556

Application

Solar cable A highly flexible cable designed for connecting photovoltaic solar systems, it is suitable for many different solar power generation fields, such as large solar power stations, rooftop solar power stations and floating power stations on the surface of the water. Effectively reduce the failure rate and late operating costs of the photovoltaic system.

Cross Section (AWG)	Conductor Stranded O.D. (mm)	Inner Layer Thickness (mm)	Outer Layer Thickness (mm)	Cable O.D. Ref. Range (mm)	Approximate Weight (kg/km)	Conductor Resistance Max (Ω/km, 20°C)
14	1.9	1.14	0.80	5.90±0.30	49.1	8.96
12	2.4	1.14	0.80	6.40±0.30	63.9	5.64
10	3.0	1.14	0.80	7.10±0.30	87.2	3.546
8	4.0	1.39	0.80	8.50±0.30	129.3	2.230
6	5.1	1.39	1.14	10.40±0.50	198.3	1.403
4	6.4	1.39	1.14	11.80±0.50	281.7	0.882
2	8.2	1.39	1.14	13.60±0.50	416.4	0.5548
1	9.1	1.65	1.52	15.80±0.50	537.1	0.4398
1/0	10.3	1.65	1.52	17.00±0.50	651.2	0.3487
2/0	11.6	1.65	1.52	18.20±0.50	794.0	0.2766
3/0	13.1	1.65	1.52	19.70±0.50	969.2	0.2194
4/0	14.7	1.65	1.52	21.40±0.50	1192.5	0.1722

Note: Please refer to the above technical reference number for your reference, please check the technical section of our department for your request.