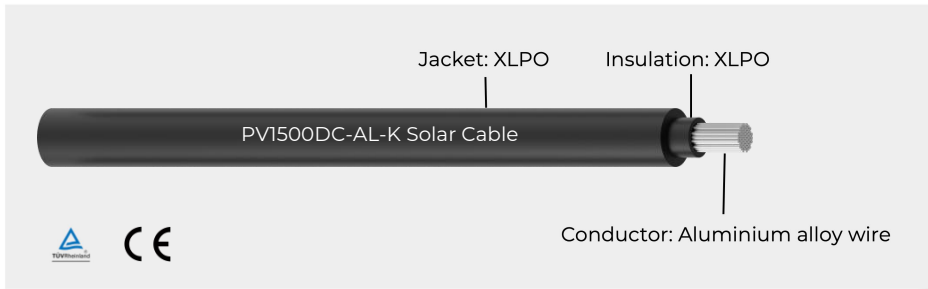






## PV1500DC-AL-K Solar Cable



### Advantage

-  UV resistance
-  Ozone resistance
-  Flame test IEC 60332-1-2
-  More economical

### Characteristics

- Temperature range  
-40°C to +90°C
- Max. temperature at conductor  
+90°C (Max. of 20000 hours at +120°C)
- Rated voltage  
AC  $U_0/U$  1.0/1.0 kV  
DC  $U_0/U$  ( $U_m$ ) 1.5/1.5(1.8) kV
- Min. Bending Radius  
Fixed installation 5x cable  $\varnothing$
- According to  
2 PFG 2642
- Certificate Number  
R 50578871

### Cable Structure

- Conductor: Class 5 aluminium alloy wire
- Insulation Layer: XLPO black or red colour
- Jacket Layer: XLPO black or red colour

### Test Item

- UV-resistant acc. to IEC 62930 Annex E
- Ozone-resistant acc. to IEC 60811-403
- Flame retardant acc. to IEC 60332-1-2
- Halogen-free acc. to IEC 62821-1
- Smoke density acc. to IEC 61034-2

### Application

Aluminum alloy photovoltaic cable is designed for solar photovoltaic power generation system cable products, widely used in all aspects of solar photovoltaic power generation system, including the connection between photovoltaic modules, photovoltaic modules and inverter connection, inverter and grid connection.

Cross Section (mm <sup>2</sup> )	Conductor Stranded O.D. (mm)	Insulation Thickness (mm)	Jacket Thickness (mm)	Cable O.D. Ref. Range (mm)	Approximate Weight (kg/km)	Conductor Resistance Max. ( $\Omega$ /km, 20°C)
2.5	2.0	0.8	0.7	5.10±0.20	30	13.2
4	2.6	0.8	0.7	5.60±0.20	38	8.10
6	3.2	0.8	0.7	6.20±0.30	47	5.05
10	4.1	0.8	0.8	7.30±0.30	68	3.08
16	5.8	0.9	0.9	9.40±0.60	104	1.91
25	7.1	1.0	1.0	11.10±0.80	148	1.20
35	8.4	1.1	1.1	12.80±0.80	197	0.868
50	9.8	1.2	1.2	14.60±0.80	260	0.641
70	11.8	1.2	1.2	16.60±1.00	343	0.443
95	13.8	1.3	1.3	19.00±1.00	451	0.320
120	15.6	1.3	1.3	20.80±1.20	539	0.253
150	17.3	1.4	1.4	22.90±1.20	658	0.206
185	19.3	1.6	1.6	25.70±1.20	819	0.164
240	22.0	1.7	1.7	28.80±1.20	1044	0.125
300	25.5	1.8	1.8	32.70±1.50	1290	0.1000
400	28.5	2.0	2.0	36.50±1.50	1666	0.0778