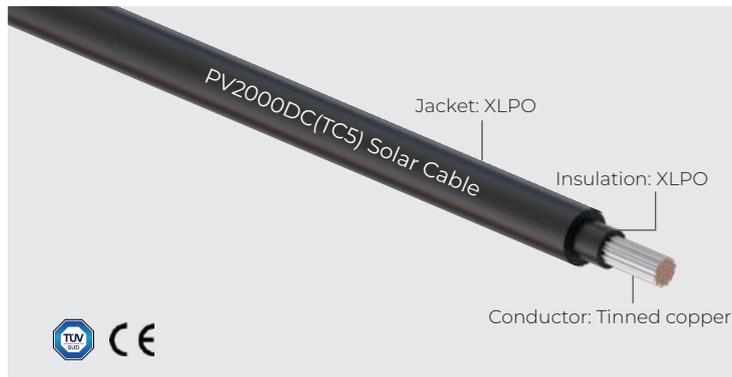


# SUNKEAN

## PV2000DC(TC5) Solar Cable



### Advantage

-  UV resistant
-  Ozone resistance
-  CPR Dca certified
-  Flame test IEC60332-3
-  More economical

### Characteristics

- **Temperature Rating**  
-40°C to +90°C
- **Max. Temperature At Conductor**  
+120°C
- **Nominal Voltage**  
DC U<sub>0</sub>/U 2.0 / 2.0kV
- **Maximum Permissible DC Voltage**  
2.4 kV
- **Min. Bending Radius**  
Fixed installation 5x cable Ø
- **Approvals**  
PPP58209A B 123946

### Cable Structure

- **Conductor:** IEC60228 Class 5 Tinned copper
- **Insulation:** XLPO black colour
- **Jacket:** XLPO black or red colour

### Test Item

- **Halogen-free** acc. to IEC 62821-1
- **Flame Retardant** acc. to IEC 60332-1-2
- **Smoke Density** acc. to IEC 61034-2
- **UV-resistant** acc. to IEC62930 Annex E
- **Ozone-resistant** acc. to IEC 60811-403

### Application

Mainly used in photovoltaic power generation and solar energy systems, connecting solar modules and electrical components, suitable for outdoor extreme environments. Not suitable for permanent installation in water.

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 (Ω/km, 20°C)
2.5	2.0	1.1	0.8	5.80±0.20	54	8.21
4	2.4	1.1	0.8	6.30±0.20	69	5.09
6	3.0	1.1	0.8	6.80±0.20	89	3.39
10	4.0	1.1	0.8	7.80±0.20	134	1.95
16	5.5	1.1	0.9	9.50±0.30	205	1.24
25	6.8	1.15	1.0	11.10±0.30	302	0.795
35	8.1	1.15	1.1	12.60±0.50	409	0.565
50	9.8	1.25	1.2	14.70±0.50	544	0.393
70	11.6	1.35	1.2	16.70±0.80	766	0.277
95	13.3	1.35	1.3	18.60±0.80	986	0.210
120	15.2	1.45	1.3	20.70±1.00	1230	0.164
150	16.8	1.65	1.4	22.90±1.00	1549	0.132
185	18.9	1.85	1.6	25.80±1.20	1949	0.108
240	21.6	1.95	1.7	28.90±1.20	2499	0.0817

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