

PV2000DC(TCA) 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 U₀/U 2.0 / 2.0kV
- **Maximum Permissible DC Voltage**
2.4 kV
- **Min. Bending Radius**
Fixed installation 5x cable Ø
- **Approvals**
PPP58209A B123946

Cable Structure

- **Conductor:** SJ/T11472&ASTMB566 Class5 Tinned copper-clad aluminum
- **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 ²)	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	1.9	1.1	0.8	5.80±0.20	41	13.2
4	2.4	1.1	0.8	6.30±0.20	50	7.85
6	3.0	1.1	0.8	6.90±0.20	62	5.23
10	3.9	1.1	0.8	7.80±0.20	84	3.08
16	5.3	1.1	0.9	9.50±0.30	121	1.91
25	6.8	1.15	1.0	11.30±0.30	173	1.20
35	8.1	1.15	1.1	12.80±0.50	227	0.868
50	9.3	1.25	1.2	14.50±0.50	294	0.641
70	11.5	1.35	1.2	16.80±0.60	410	0.443
95	13.2	1.35	1.3	18.80±0.60	516	0.320
120	15.0	1.45	1.3	21.00±1.00	634	0.253
150	16.9	1.65	1.4	23.50±1.00	799	0.206
185	18.9	1.85	1.6	26.30±1.20	1006	0.164
240	21.3	1.95	1.7	29.10±1.20	1244	0.125

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