



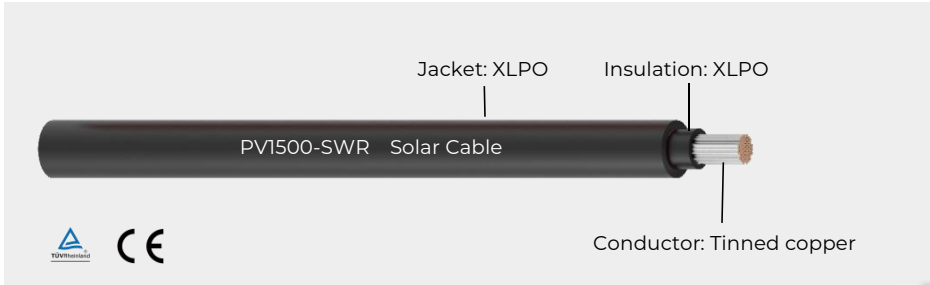


PV1500-SWR Offshore Solar Cable

Advantage

-  UV resistance
-  Ozone resistance
-  High water resistance
-  Salt mist resistant
-  Mildew resistant
-  Acid and alkali resistant



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 2962
- Certificate Number
R 50633634

Cable Structure

- Conductor: IEC 60228 Class 5 Tinned copper
- Insulation Layer: XLPO black colour
- Jacket Layer: XLPO black colour

Test Item

- UV-resistant acc. to IEC 62930 Annex E
- Ozone-resistant acc. to EN 60811-403
- Flame retardant acc. to EN 60332-1-2
- Long term resistance of insulation acc. to 2 PfG 2962 Annex D

Application

Designed for floating power stations and compatible with all major connectors, the offshore floating solar cable has high water resistance, mold resistance, salt spray resistance and is designed to meet the highest requirements of offshore and offshore FPV applications. Excellent water and UV resistance ensures high fault safety and long service life, suitable for photovoltaic power generation systems such as Marine floating surface power plants.

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	2.0	0.8	0.8	5.20±0.15	45	8.21
4	2.5	0.8	0.8	5.60±0.15	58	5.09
6	3.0	0.8	0.8	6.20±0.15	78	3.39
10	4.0	0.8	0.8	7.20±0.20	122	1.95
16	5.5	0.9	0.9	9.10±0.30	193	1.24
25	6.8	1.0	1.0	10.80±0.50	289	0.795
35	8.1	1.1	1.1	12.50±0.50	398	0.565
50	9.8	1.2	1.2	14.60±0.50	530	0.393
70	11.6	1.2	1.2	16.40±0.50	744	0.277
95	13.3	1.3	1.3	18.50±0.80	967	0.210
120	15.2	1.3	1.3	20.40±0.80	1200	0.164
150	16.8	1.4	1.4	22.40±0.80	1505	0.132
185	18.9	1.6	1.6	25.30±1.20	1897	0.108
240	21.6	1.7	1.7	28.40±1.20	2438	0.0817
300	23.0	1.8	1.8	30.20±1.50	2921	0.0654
400	26.8	2.0	2.0	34.80±1.50	3843	0.0495