

PV1500-SWR Offshore Solar Cable



Advantage

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

Characteristics

- **Temperature Rating**
-40°C to +90°C
- **Max. Temperature At Conductor**
+120°C
- **Nominal Voltage**
AC U₀/U 1.0 / 1.0 kV
DC U₀/U 1.5 / 1.5 kV
- **Maximum Permissible DC Voltage**
1.8 kV
- **Min. Bending Radius**
Fixed installation 5x cable Ø
- **Approvals**
2PFG2962 R 50633634

Cable Structure

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

Test Item

- **Long Term Resistance Of Insulation** acc. to 2 PFG 2962 Annex D
- **Flame Retardant** acc. to DIN EN60332-1-2
- **UV-resistant** acc. to IEC62930 Annex E
- **Ozone-resistant** acc. to DIN EN60811-403

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

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