

PV1500-SR/PV1500-SWR 海面光伏电缆

PV1500-SR/PV1500-SWR Waterproof Cable for Sea Surface



产品优点 Advantages:

- 辐照交联化合物
E - beam cross-linked compounds
- 抗臭氧，耐水解
Ozone resistance, hydrolysis resistance
- 耐高温，材料不会融化或流动
High temperature resistance, materials will not melt or flow
- 低温韧性
Flexibility under cold conditions
- 通过霉菌生长测试，满足 2 PfG 2962 Annex I
Passed mold growth test, complies with 2 PfG 2962 Annex I
- 耐盐雾腐蚀，满足 2 PfG 2962 Annex H
Resistant to salt spray corrosion, complies with 2 PfG 2962 Annex H

性能 Properties:

- 成品电缆耐压：AC 6.5V 5min, 不击穿
Voltage test of finished cable: AC 6.5V 5min, No break
- 绝缘 / 护套抗张强度：≥ 8Mpa
Tensile Strength of Insulation/Jacket : ≥ 8Mpa
- 护套 / 护套断裂伸长率：≥ 125%
Elongation at Break of Insulation/Jacket: ≥ 125%
- 额定电压：DC 1500V
Rating voltage: DC 1500V
- 环境温度：-40°C ~90°C
Ambient temperature: -40°C ~90°C
- 最高线温：120°C
Max. conductor temperature: 120°C
- 绝缘颜色：黑色
Insulation Color: Black
- 护套颜色：黑色
Jacket Color: Black

应用 Application:

- 适用于专为海洋环境设计的特种电缆，需具备防水、耐腐蚀、抗紫外线等特性，以适应海上光伏电站的复杂工况。
It is a special cable specifically designed for the marine environment and needs to have characteristics such as water resistance, corrosion resistance, and UV resistance to adapt to the complex working conditions of offshore photovoltaic power stations.

截面积 Cross Section (mm ²)	导体规格 Conductor (No./mm)	绝缘厚度 Insulation Thickness(mm)	护套厚度 Jacket Thickness(mm)	电缆外径 Cable Diameter(mm)	导体电阻 20°C Conductor Resistance at 20°C (Ω/km)	重量 weight (kg/km)
1.5	30/0.25	0.8	0.8	4.8	≤ 13.7	36
2.5	49/0.25	0.8	0.8	5.3	≤ 8.21	49
4	56/0.285	0.8	0.8	5.7	≤ 5.09	62
6	84/0.285	0.8	0.8	6.3	≤ 3.39	84
10	77/0.4	0.8	0.8	7.4	≤ 1.95	133
16	126/0.4	0.9	0.9	9.2	≤ 1.24	212
25	196/0.4	1	1	11	≤ 0.795	318
35	276/0.4	1.1	1.1	12.7	≤ 0.565	437