PV1-F-Photovoltaic cable

Product Description

The PV1-F photovoltaic cable uses multiple stranded tinned copper wires as conductors to enhance its oxidation resistance and corrosion resistance. The conductor is wrapped with a halogen-free flame-retardant polyolefin insulation layer, which has weather resistance, UV resistance, and flame retardancy. The working temperature ranges from -40 ℃ to 90 ℃ (up to 180 ℃ in short circuit). The outermost layer also uses halogen-free flame-retardant polyolefin sheath to enhance mechanical protection capability and ensure stable transmission of electrical energy in the photovoltaic system.

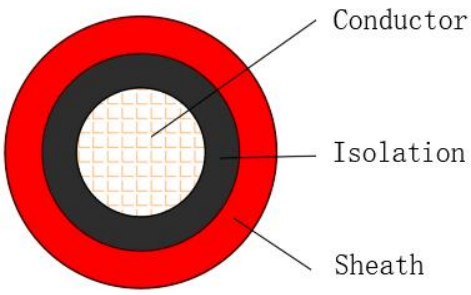
Product standard

According to 2PfG 1169/08.2007 EN50168:2014

Applications：Suitable for single core flexible cables used on the DC side of photovoltaic systems with a maximum allowable DC voltage of 1.8kv.

Product features

- Excellent insulation resistance
- Good low-temperature winding and low-temperature bending performance
- Low smoke performance of cables
- Has good resistance to ozone and acid and alkali



技术参数

Nominal cross-section mm²	Type of conductor	Cable diameter （mm）	20℃Maximum DC resistance of conductorΩ/km
1.5	5	4.4	13.7
2.5	5	4.8	8.21
4	5	5.4	5.09
6	5	6.0	3.39
10	5	7.0	1.95

16	5	8.3	1.24
25	5	10.0	0.795
35	5	11.0	0.565
Operation temperature	-40℃~+90℃		
Service life	≥25year		