

Solar Cable PV1-F Technical Data Sheet



CE

Rated Voltage	Max. Conductor Temperature	Min. Temperature of Installation	Max. Temperature of Short Circuit	Min. Internal Bending Radius	Max. Mechanical Stress
600/1000V	90-120°C	-40°C	200°C	6xD	5kg/mm

<u>Conductors:</u>	Class 5 flexible tinned copper to IEC 60228
<u>Insulation:</u>	Special cross linked compound LSOH (Low Smoke Zero Halogen)
<u>Sheath:</u>	Special cross linked compound LSOH (Low Smoke Zero Halogen) in Black or Red
<u>Core colours:</u>	White or Black
<u>Standards:</u>	Flame retardant and halogen free cable. 2Pfg 1169, RoHS 2011/65/UE. Period of use: 25 years in standard conditions. Temperature index: 120c based on CEI EN 60216-1 (20.000 hours) UV resistant according to HD605/A1 Ozone resistant according to EN 50396 Flame retardant according to EN 60332-1-2 Halogen free according to EN 50267-2-1, EN 60684-2
<u>Application:</u>	This cable is suitable for cabling in photovoltaic systems, such as in solar panels. Suitable for fixed installations, both internally and externally.

Size (No x mm)	Mean Overall Diameter (mm)	Indicative Weight of Cable (g/m)	Diameter of Wires (Ohm/km at 20°C)	Insulation Thickness (mm)	Sheath Thickness (mm)	Current rating (A) With Ambient Temp. Lower Than 30°C (Fixed Installation)
1x4	5.2 ±0.2	56	0.310	0.53 - 0.7	0.41 - 0.6	55
1x6	5.8 ±0.2	76	0.310	0.53 - 0.7	0.41 - 0.6	70
1x10	6.8 ±0.2	120	0.410	0.53 - 0.7	0.41 - 0.6	98