



SM (CABLES)

Low voltage wiring, flexible and special cables

STANDARDS

TUV



SM CABLES

SOLAR CABLE

Photovoltaic DC Cable

CONSTRUCTION (Cu/HR PVC)

- Conductor**
Flexible copper (Class 5)
- Insulation**
Heat Resistant PVC
- Sheathing**
Polyvinyl Chloride

SPECIFICATIONS

- +90°C** Maximum ambient temperature
- 1.8 KV** AC Test Voltage
- 0.6/1 KV (AC)**
0.9/1.5 KV (DC) Rated voltage U₀/U
- 4 X D** Minimum Bending Radius

APPLICATIONS

For use at DC-side of Photovoltaic systems with maximum DC voltage of 1.8kV (conductor/conductor, non earthed systems)

MARKING

Embossed, or printed with CIJ in white or black indelible ink.

SM (CABLES) PV - DC Cable - 1 x 4.0mm² CE

TECHNICAL DATA

Product Code	Nominal Cross Section mm ²	Overall Dimensions mm	Approximate Net Weight kg/km	Maximum Conductor Resistance Ω/km @ 20°C	Current Carrying Capacity in Air Amperes (A)
PV DC CABLE					
SMPV1X1/50	1 x 1.5	5.4	50	13.7	30.0
SMPV1X2/50	1 x 2.5	5.8	65	8.21	41.0
SMPV1X4/00	1 x 4	6.4	85	5.09	55.0
SMPV1X6/00	1 x 6	7	115	3.39	70.0
SMPV1X10/00	1 x 10	8.6	180	1.95	98.0
SMPV1X16/00	1 x 16	9.8	255	1.24	132
SMPV1X25/00	1 x 25	11.1	360	0.795	176
SMPV1X35/00	1 x 35	12.3	470	0.565	218

Specifications and technical data is provided in good faith and is believed to be correct at the time of publication. Actual products may differ in dimensions due to manufacturing tolerances. The information provided within this document is typical and is intended for guidance only. This specification and data is subject to changes without notice or liability.

www.smcables.com
info@smcables.com

T: +356 21 697 888

PHOTOVOLTAIC DC CABLE