

SOLAR SERIES

High Performance Flexible Rubber
(PV1-F) Solar Cable 0.9/1.8kV DC 120°C



APPLICATIONS:

Solar Suitable for cabling between interconnected solar modules or DC/AC inverter (photovoltaic power supply systems).

Power Switchboards, flexible droppers from busbars, transformers, load banks or other equipment requiring fixed or flexible cable for medium industrial applications.

PRODUCT FEATURES:

- ▶ Tinned fine stranded copper conductor
- ▶ High flexibility
- ▶ UV resistant
- ▶ Environmentally friendly
- ▶ Flame retardant
- ▶ Heat, oil and chemical resistant (See Technical Section)

CONSTRUCTION:

Conductor Annealed tinned copper stranded extreme flexibility (Class 5 & 6).

Insulation XLR 120°C Compound (PV1-F).

Sheath XLR Compound.

CHARACTERISTICS:

Operating Temperature Range -40°C to 90°C.

Maximum Conductor Temperature 120°C.

Rated Voltage U_o/U 0.6/1kV AC Voltage. U_o/U 0.9/1.8kV DC Voltage.

Minimum Bending Radius Fixed 4 x cable diameter / Flexing 6 x cable diameter.

Sheath Colour Black.

Standard Core Colours Single Core – Black.

2 Core – Black, Red.

Relative Standards AS/NZS 5033:2014, IEC 60332-1, IEC 60228, IEC 60754-1, IEC 61034, **RoHS** Compliant and **CE** Certified.

Approvals TÜV 2 Pfg 1169/08.2007 PV1-F Cert No: T 50402137 (To verify TÜV Rheinland certificate, go to www.tuv.com > Certificate Database).

Code	No. of Cores x Size (mm ²)	Approx. Stranding No. of wires x mm	Approx. Overall Diameter (mm)	Current carrying capacity 60°C ambient temperature (free air)	Approx. Weight (Kg/Km)
SOLAR1/4.0	1 x 4.0	52 / 0.30	4.60	55	60
SOLAR2/4.0	2 x 4.0	52 / 0.30	4.60 x 9.40	55	120
SOLAR1/6.0	1 x 6.0	84 / 0.30	7.20	70	78
SOLAR2/6.0	2 x 6.0	84 / 0.30	7.20 x 12.20	70	156
SOLAR1/10	1 x 10	84 / 0.40	9.00	98	122
SOLAR1/16	1 x 16	128 / 0.40	10.20	132	180
SOLAR1/25	1 x 25	192 / 0.40	12.00	176	275
SOLAR1/35	1 x 35	276 / 0.40	13.80	218	366

TRAFFIC, SOLAR & IRRIGATION CABLES

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