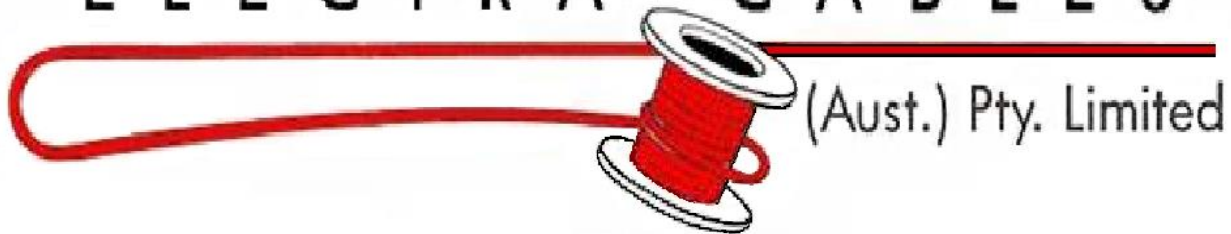


# ELECTRA CABLES



(Aust.) Pty. Limited

## Solar Cable – Flexible UV resistant 120°C Double Insulated



0.6/1kV AC Tinned copper conductor, UV resistant flexible Solar Cable.

**CAUTION**  
DC CABLE – DO NOT DISCONNECT UNDER LOAD

**Description:** Flexible Tinned copper conductor with single or twin core, double insulated black UV resistant Electron beam cross linked sheath with red and black inner cores.

**Application:** This Solar cable is intended for use in Photovoltaic power supply systems. Optimum operating temperature is between -40°C to +90°C. It may be installed as free moving, fixed or hanging. It can also be installed in cable trays, conduits, on or in Walls.

**Conductor:** Tinned Copper

**Voltage:** 0.6/1Kv AC, 1800V DC

**Insulation:** Electron Beam Cross Linked XLPE

**Sheath:** Electron Beam Cross Linked XLPE

**Temperature Rating:** -40°C to + 120°C

**Max. Conductor Temperature:** 120 °C

**Standard:** PV1-F of TUV 2 PfG 1169/08.2007

**Life Expectancy:** 25 Years

**Fire Performance:**

Vertical flame spread of a single cable: IEC 60332-1

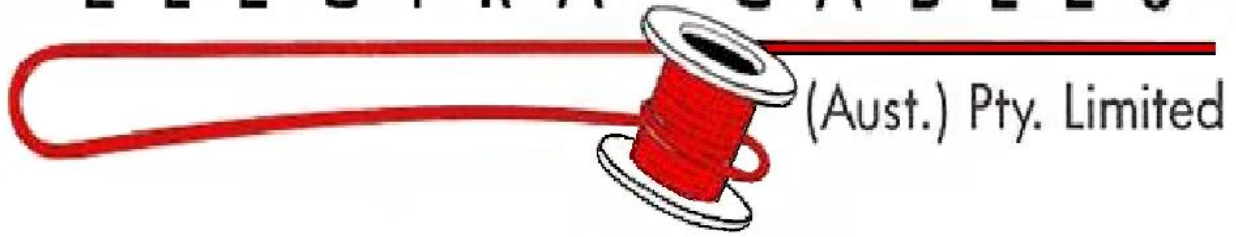
Smoke Density: IEC61034, EN50268-2

Content of Halogen hydracids 0mg/g: IEC670754-1 EN50267-2-1

**Technical Data:**

Electra Cables Part No.	Nominal area mm <sup>2</sup>	NO.& Diameter of wires No/mm	Approx Overall Diameter mm	Current carrying capacity @ 25°C A	Conductor Resistance Ω/Km at 20°C	Approx Mass per 100m Kg
<b>Single Core</b>						
PV56031	4	52/0.30	4.85	52	5.09	5.4
PV84031	6	78/0.30	5.50	67	3.39	7.5
PV14201	10	84/0.40	9.02	98	1.95	16.0
PV22801	16	126/0.40	10.10	130	1.24	22.0
PV1250	25	196/0.40	12.00	176	0.795	302
PV1350	35	276/0.4 0	13.60	218	0.565	445
<b>Twin Core</b>						
PV56032	4	52/0.30	6.1x13.8	52	5.09	10.9
PV84032	6	78/0.30	6.8x14.8	67	3.39	15.1
PV14202	10	132/0.30	8.5x17.0	93	1.92	24

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Reference ambient air temperature: 60°C  
Maximum conductor temperature: 120° C

Conductor	Current Carrying Capacity (A) Single Core		
	Unenclosed in air	Unenclosed touching surface	Unenclosed next to other cables
1.5	30	29	24
2.5	41	39	33
4	55	52	44
6	70	67	57
10	98	93	79
16	132	125	107
25	176	167	142
35	218	207	176

Temperature variation factor:

Ambient air temperature °C	Variation factor
≤ 60°C	1.00
70	0.91
80	0.82
90	0.71
100	0.58
110	0.41