



UL TYPE PV SOLAR CABLE

(UL Type PV (Photovoltaic) UL 4703, 2000V, -40°C to 90°C)

UL CERTIFICATE NO. : 20140826-E363111

PRODUCT DESCRIPTIONS :

Single conductor, insulated sunlight resistant, photovoltaic wire rated for 90°C wet or dry, 2000V for interconnection wiring of grounded and ungrounded photovoltaic power systems. (And other applicable parts of the National Electric Code (NEC), NFPA 70). Ratings only apply to certain gage sizes.

ELECTRICAL CHARACTERISTICS :

- Maximum Operating Voltage 1000 or 2000VRMS (UL PV)

PHYSICAL CHARACTERISTICS

- Temperature Rating -40°C to 90°C
- Conductor 8 AWG to 1000kcal
- Conductor Material Compact Aluminium ACM(8000 series)
- Insulation Material XLPE
- Min. Bending Radius 8 x OD
- Applicable Spec. UL Type PV UL4703
- Flame Resistance VW-1

ALUMINIUM CABLE CONSTRUCTIONS :

Conductor size (AWG/kcmil)	AWG (Wire Stranded)	Nominal Conductor (O.D.)		Insulation Thickness		Nominal OD		Standard Weight	
		Inch	mm	Inch	mm	Inch	mm	Lbs	Kg.
8	7/0.0486	0.134	3.4	0.085	2.16	0.31	7.87	52	78
6	7/0.0612	0.169	4.29	0.085	2.16	0.345	8.76	67	100
4	7/0.0772	0.213	5.41	0.085	2.16	0.389	9.88	90	133
2	7/0.0974	0.268	6.81	0.085	2.16	0.444	11.28	122	182
1	19/0.0664	0.299	7.59	0.105	2.67	0.515	13.08	162	241
1/0	19/0.0740	0.336	8.53	0.105	2.67	0.552	14.02	191	284
2/0	19/0.0837	0.376	9.55	0.105	2.67	0.592	15.04	225	334
3/0	19/0.0940	0.423	10.74	0.105	2.67	0.639	16.23	267	398
4/0	19/0.1055	0.475	12.07	0.105	2.67	0.691	17.55	319	475
250	37/0.0822	0.520	13.21	0.12	3.05	0.766	19.46	413	615
300	37/0.0900	0.570	14.48	0.12	3.05	0.816	20.73	445	663
350	37/0.0972	0.616	15.65	0.12	3.05	0.862	21.89	503	749
400	37/0.1040	0.659	16.74	0.12	3.05	0.905	22.99	561	835
500	37/0.1159	0.736	18.69	0.12	3.05	0.982	24.94	675	1004
600	61/0.0992	0.813	20.65	0.135	3.43	1.089	27.66	818	1217
750	61/0.1109	0.908	23.06	0.135	3.43	1.184	30.07	985	1466
1000	61/0.1280	1.060	26.92	0.135	3.43	1.336	33.93	1235	1838

Dimensions and weights are nominal, subject to industry tolerances.

SOLD AND DISTRIBUTED BY

CC CENTURY CABLE

SUVANITJIT LIMITED PARTNERSHIP

1 Soi PharamII 50, Yak 1-1-1-3, Sameredum, Bangkhuntien BANGKOK 10150

Tel: 02-4151126, 02-8984215 Fax: 02-4151126 Mobile: 081-7722376 Web: www.suvanitjitcable.com

Note: The specifications are subjected to change without prior notice.

Pan-Asia UL4703 Photovoltaic Wire.doc