



UL TYPE PV SOLAR CABLE

(UL Type PV (Photovoltaic) UL 4703, 600V, -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, 600V 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 600 VRMS (UL PV)

PHYSICAL CHARACTERISTICS

- Temperature Rating -40°C to 90°C
- Conductor 8 to 1000kcil
- 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 :

<u>Conductor size</u> (AWG/kcmil)	<u>AWG</u> (Wire Stranded)	<u>Nominal Conductor</u> (O.D..)		<u>Insulation Thickness</u>		<u>Nominal OD</u>		<u>Standard Weight</u>	
		<u>Inch</u>	<u>mm</u>	<u>Inch</u>	<u>mm</u>	<u>Inch</u>	<u>mm</u>	<u>Lbs</u>	<u>Kg.</u>
8	7/0.0486	0.134	3.4	0.08	2.03	0.298	7.57	49	73
6	7/0.0612	0.169	4.29	0.08	2.03	0.333	8.46	64	95
4	7/0.0772	0.213	5.41	0.08	2.03	0.377	9.58	85	127
2	7/0.0974	0.268	6.81	0.08	2.03	0.432	10.97	117	174
1	19/0.0664	0.299	7.59	0.095	2.41	0.495	12.57	153	227
1/0	19/0.0740	0.336	8.53	0.095	2.41	0.532	13.51	180	268
2/0	19/0.0837	0.376	9.55	0.095	2.41	0.572	14.53	214	318
3/0	19/0.0940	0.423	10.74	0.095	2.41	0.619	15.72	256	380
4/0	19/0.1055	0.475	12.07	0.095	2.41	0.671	17.04	307	456
250	37/0.0822	0.520	13.21	0.11	2.79	0.746	18.95	399	594
300	37/0.0900	0.570	14.48	0.11	2.79	0.796	20.22	430	640
350	37/0.0972	0.616	15.65	0.11	2.79	0.842	21.39	487	725
400	37/0.1040	0.659	16.74	0.11	2.79	0.885	22.48	544	810
500	37/0.1159	0.736	18.69	0.11	2.79	0.962	24.43	656	977
600	61/0.0992	0.813	20.65	0.125	3.18	1.069	27.15	798	1187
750	61/0.1109	0.908	23.06	0.125	3.18	1.164	29.57	963	1433
1000	61/0.1280	1.060	26.92	0.125	3.18	1.316	33.43	1210	1801

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