



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 18 to 1000kcal
- Conductor Material Soft Annealed Tinned Stranded Copper
- Insulation Material XLPE
- Min. Bending Radius 8 x OD
- Applicable Spec. UL Type PV UL4703
- Flame Resistance VW-1

COPPER 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.
18	19/0.0092	0.045	1.14	0.06	1.52	0.169	4.29	14	21
16	19/0.0117	0.05	1.42	0.06	1.52	0.180	4.57	18	27
14	19/0.0142	0.07	1.78	0.06	1.52	0.194	4.93	27	40
12	19/0.0185	0.088	2.23	0.06	1.52	0.214	5.43	36	54
10	19/0.0234	0.112	2.84	0.06	1.52	0.238	6.04	51	76
8	19/0.0295	0.143	3.63	0.08	2.03	0.307	7.80	85	126
6	19/0.0372	0.184	4.67	0.08	2.03	0.348	8.84	123	183
4	19/0.0469	0.234	5.94	0.08	2.03	0.398	10.11	180	268
2	19/0.0526	0.296	7.52	0.08	2.03	0.460	11.68	267	397
1	19/0.0664	0.332	8.2	0.095	2.41	0.515	13.08	333	495
1/0	19/0.0740	0.37	9.4	0.095	2.41	0.563	14.30	410	610
2/0	19/0.0837	0.41	10.41	0.095	2.41	0.608	15.44	502	747
3/0	19/0.0940	0.46	11.68	0.095	2.41	0.658	16.71	620	922
4/0	19/0.1055	0.52	13.21	0.095	2.41	0.714	18.13	767	1141
250	37/0.0822	0.558	14.17	0.11	2.79	0.784	19.91	923	1374
300	37/0.0900	0.611	15.52	0.11	2.79	0.837	21.26	1090	1622
350	37/0.0972	0.661	16.79	0.11	2.79	0.887	22.53	1240	1845
400	37/0.1040	0.706	17.93	0.11	2.79	0.932	23.67	1423	2117
500	37/0.1159	0.789	20.04	0.11	2.79	1.015	25.78	1718	2557
600	61/0.0992	0.866	22.00	0.125	3.18	1.122	28.50	2136	3179
750	61/0.1109	0.968	24.59	0.125	3.18	1.224	31.09	2597	3865
1000	61/0.1280	1.117	28.37	0.125	3.18	1.373	34.87	3411	5076

Dimensions and weights are nominal, subject to industry tolerances.

SOLD AND DISTRIBUTED BY

CC CENTURY CABLE

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

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