



UL TYPE PV SOLAR CABLE

(UL Type PV (Photovoltaic) UL 4703, 600/1000V, -40°C to 90°C)

UL CERTIFICATE NO. : 20140826-E363111 BY HENAN HUAXING WIRE & CABLE CO., LTD.

PRODUCT DESCRIPTIONS :

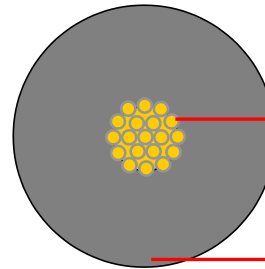
Single conductor, insulated sunlight resistant, photovoltaic wire rated for 90°C wet or dry, 600/1000V for interconnection wiring of grounded and ungrounded photovoltaic power systems. (And other applicable parts of the National Electric Code (NEC), NFPA 70). Ratings only apply to certain gage sizes.

ELECTRICAL CHARACTERISTICS :

- Maximum Operating Voltage 600/1000 VAC (Line to Line/Ling to Ground)

PHYSICAL CHARACTERISTICS :

- Temperature Rating -40°C to 90°C
- Conductor 18 to 4 AWG
- Conductor Material Soft Annealed Stranded Tinned Copper
- Insulation Material XLPE
- Min. Bending Radius 8 x OD
- Applicable Spec. UL Type PV UL4703
- Flame Resistance VW-1



Soft Annealed Stranded Tinned Copper

XLPE Sheath

TINNED COPPER CABLE CONSTRUCTIONS :

Conductor size (AWG)	AWG (Wire Stranded) (No./mm)	Nominal Conductor (O.D..)		Insulation Thickness		Nominal OD		Standard Weight	
		Inch	mm	Inch	mm	Inch	mm	Lbs/km	Kg./km
18	19/0.233	0.045	1.14	0.06	1.52	0.169	4.29	14	21
16	19/0.296	0.05	1.42	0.06	1.52	0.180	4.57	18	27
14	28/0.296	0.07	1.78	0.06	1.52	0.194	4.93	27	40
12	47 / 0.296	0.088	5.37	0.06	1.52	0.214	5.43	36	54
10	74 / 0.296	0.112	6.02	0.06	1.52	0.238	6.04	51	76
8	120/0.296	0.143	3.63	0.08	2.03	0.307	7.80	85	126
6	48/0.592	0.184	4.67	0.08	2.03	0.348	8.84	123	183
4	76/0.592	0.234	5.94	0.08	2.03	0.398	10.11	180	268

Dimensions and weights are nominal, subject to industry tolerances.

ELECTRICAL PROPERTIES OF THE CABLE :

Conductor size (AWG)	Cross Sectional Area (sq.mm.)	Conductor DC Resistance @ 20C (ohm/km.)	Rated Current @ 30C (Amp)
18	0.808	22.70	14
16	1.307	14.84	18
14	1.941	9.61	25
12	3.26	5.86	30
10	5.23	3.53	40
8	8.31	2.36	55
6	13.20	1.47	75
4	21.00	0.93	95



PRODUCED UNDER PAN-ASIA ORDER AND SUPERVISION.

CC CENTURY CABLE



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

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