


# USA SOLAR CABLE- PHOTOVOLTAIC TYPE PV/ TYPE USE-2/ RHH/RHW-2 XLPE Thermoset Insulation, UL 2000V, c(UL) RW90 1000V

<p><b>APPLICATION:</b> Photovoltaic wire for use as interconnection wiring on solar panels in grounded or ungrounded systems as defined in parts of the National Electric Code (NEC) NFPA 70, such as 690.31 (A)</p> <p><b>STANDARDS:</b></p> <ol style="list-style-type: none"> <li>1. UL listed Type USE-2 2KV; Type PV 2KV; c(UL) listed RW90 1KV</li> <li>2. UL Standard 4703: Outline of Investigation for Photovoltaic Wire, PV</li> <li>3. UL Standard 854: Standard for Safety for Service Entrance Cables</li> <li>4. UL Standard 44; Sunlight resistant; VW-1 Rated per UL 1685</li> <li>5. ASTM B3- Standard Specification for soft or annealed copper wire ASTM B8- Standard Specification for concentric lay stranded copper</li> <li>6. #14-4/0 Rated L-824C</li> <li>7. CT Rated 1/0 and larger</li> <li>8. ICEA S-95-658/NEMA WC-70</li> <li>9. RoHS Compliant</li> <li>10. Meets cold bend test at -40° C</li> <li>11. Suitable for use in 105° C Dry System</li> </ol> <p><b>CONSTRUCTION:</b> Single copper conductor, stranded, insulated with heat and moisture resistant, flame retardant cross-linked polyethylene.</p> <p style="text-align: center;"><b>MADE IN THE USA</b></p>							
USAWC Part #	Size AWG	Strand (no.)	Insulation Thickness Mils	OD Inches	Copper Wt. lbs/1000 ft	Weight lbs/1000 ft	Ampacity* 30° C Ambient 90° C Wet/Dry
14-01PV2KV	14	7	75	.223	13	33	35†
12-01PV2KV	12	7	75	.242	20	43	40†
10-01PV2KV	10	7	75	.266	32	58	55†
8-01PV2KV	8	7	85	.316	50	88	80
6-01PV2KV	6	7	85	.354	81	122	105
4-01PV2KV	4	7	85	.402	129	177	140
3-01PV2KV	3	7	85	.430	163	215	165
2-01PV2KV	2	7	85	.432	205	262	190
1-01PV2KV	1	19	105	.531	258	338	220
1/0-01PV2KV	1/0	19	105	.570	326	413	260
2/0-01PV2KV	2/0	19	105	.614	411	506	300
3/0-01PV2KV	3/0	19	105	.664	518	623	350
4/0-01PV2KV	4/0	19	105	.720	653	768	405
250-01PV2KV	250	37	120	.815	772	920	455
300-01PV2KV	300	37	120	.869	926	1086	505
350-01PV2KV	350	37	120	.921	1081	1252	570
400-01PV2KV	400	37	120	.968	1235	1416	615
500-01PV2KV	500	37	120	1.053	1544	1743	700
600-01PV2KV	600	61	135	1.163	1853	2099	780
750-01PV2KV	750	61	135	1.268	2316	2587	885

† Per NEC Table 310-17  
NOTE: The data shown is approximate and subject to standard industry tolerances

\*\*Tinned Copper Conductor available.

Note: Photovoltaic module interconnection wire for use with or without a raceway in accordance with wiring systems Article 690 in the National Electric Code (NEC), NFPA 70.