

# USA SOLAR CABLE- PHOTOVOLTAIC TYPE PV / TYPE USE-2 / RHH/RHW-2

XLPE Thermoset Insulation, UL 600V, c(UL) RW90 1000V



**Solar  
Solutions**

**APPLICATION:**

PV/USE-2 is a versatile single conductor cable designed to meet the different needs of the Solar Industry. Applications include connection to module junction boxes and required cable routing for balance of system (BOS) integration. Also wherever allowed by National Electric Code (NEC).

**CABLE MARKING:**

USA SOLAR CABLE 800-880-9473 10AWG "E #" 600V  
PV WIRE DIRECT BURIAL 90C WET OR DRY -40C VW-1 SUNLIGHT  
RESISTANT UL USE-2 600V RHH/RHW-2 c(UL) RW90 1000V  
FT1 (production date)

**STANDARDS:**

1. UL listed Type USE-2 600V; Type PV 600V; c(UL) listed as RW90 1000V
2. UL Standard 854: Standard for Safety for Service Entrance Cables
3. UL Standard 4703: Outline of Investigation for Photovoltaic Wire, PV Wire
4. UL Standard 44/CSA C22.2: Temperature Rating of 90°C; Meets cold bend test of -40°C; UL Sunlight Resistant; UL VW-1 Flame resistant
5. ASTM B3 - Standard Specification for soft or annealed copper wire; ASTM B8 - Standard specification for concentric lay stranded copper conductors; hard, medium and soft
6. ICEA S-95-658/NEMA WC-70
7. CT rated 1/0 and larger
8. Suitable for use in 105° C Dry System
9. RoHS Compliant

**CONSTRUCTION:** Stranded bare annealed copper conductor, XLPE thermosetting chemically crosslinked polyethylene insulation, surface printed.



**MADE IN THE USA**

USAWC Part #	Size AWG or kcmil	No. of Strands	Insulation Thickness Mils	Nom. Diam. Inches	Approx. Wt. lbs/1000 ft		
					Copper Wt. lbs/1000 ft	Weight lbs/1000 ft	Ampacity* 30° C Ambient 90° C Wet/Dry
14-01PVUSE1KV	14	7	60	0.193	13	27	35†
12-01PVUSE1KV	12	7	60	.212	20	37	40†
10-01PVUSE1KV	10	7	60	.236	32	51	55†
8-01PVUSE1KV	8	7	75	.293	50	76	80
6-01PVUSE1KV	6	7	75	.334	81	111	105
4-01PVUSE1KV	4	7	75	.382	129	163	140
3-01PVUSE1KV	3	7	75	.410	163	200	165
2-01PVUSE1KV	2	7	75	.412	205	245	190
1-01PVUSE1KV	1	19	95	.511	258	315	220
1/0-01PVUSE1KV	1/0	19	95	.520	326	387	260
2/0-01PVUSE1KV	2/0	19	95	.594	411	480	300
3/0-01PVUSE1KV	3/0	19	95	.644	518	592	350
4/0-01PVUSE1KV	4/0	19	95	.700	653	736	405
250-01PVUSE1KV	250	37	110	.795	772	880	455
300-01PVUSE1KV	300	37	110	.849	926	1041	505
350-01PVUSE1KV	350	37	110	.901	1081	1207	570
400-01PVUSE1KV	400	37	110	.948	1235	1368	615
500-01PVUSE1KV	500	37	110	1.033	1544	1690	700
600-01PVUSE1KV	600	61	125	1.143	1853	2036	780
750-01PVUSE1KV	750	61	125	1.248	2316	2518	885

† Per NEC Table 310-17

NOTE: The data shown is approximate and subject to standard industry tolerances.