


# USA SOLAR CABLE

1000 Volt Single Conductor Power Cable  
USE-2 or RHH or RHW-2  
Zero Halogen, Limited Smoke Jacket

<p><b>DESCRIPTION:</b> Single copper conductor, stranded, insulated with heat and moisture resistant, cross-linked polyethylene insulation, (Type USE-2), with an overall flame and sunlight resistance, Zero Halogen, Limited Smoke, Zero Lead Jacket. Tinned conductors available.</p> <p><b>STANDARDS:</b> UL Listed as a <b>PV</b> Wire Conductors UL854 (#16 per UL66) ICEA S-95-658/NEMA WC-70 Flame Rated: VW-1 per UL 1685 Temperature Rating: 90° C Wet and Dry Sunlight Resistant; Superior Water Resistance Excellent crush and abrasion resistance -40° C Cold Bend and Cold Impact Zero Halogen, Limited Smoke Jacket RoHS Compliant UL 4703</p>									<p><b>BENEFITS:</b></p> <ol style="list-style-type: none"> <li>1. Can be used on transformerless inverter systems @ 2kv rating</li> <li>2. High degree of UV resistance</li> <li>3. Lower SIC (i.e. lower losses)</li> <li>4. Rugged Insulation (XLPE)</li> <li>5. 30-mil LSZH jacket has very low specific inductive capacitance (around 2.3), which meshes quite well with the insulation SIC (3.1), making the overall cable suitable for any standard PV installation</li> <li>6. LEED Credit</li> </ol>			
USAWC Part #	Size AWG	Strand (no.)	Insulation Thickness Mils	Jacket Thickness Mils	OD Inches	Copper Wt. lbs/1000 ft	Weight lbs/1000 ft	Ampacity* 30° C Ambient 90° C Wet/Dry				
16-01PV	16	26	45	30	.210	8	27	8				
14-01PV	14	7	45	30	.230	13	34	25†				
12-01PV	12	7	45	30	.250	20	44	30†				
10-01PV	10	7	45	30	.270	32	59	40†				
8-01PV	8	7	60	30	.330	50	90	55				
<p>*Per NEC Table 310-16 † The overcurrent protection for items marked with an obelisk (†) shall not exceed 15 amps for 14 AWG, 20 amps for 12 AWG and 30 amps for 10 AWG NOTE: The data shown is approximate and subject to standard industry tolerances</p>												

\*\*Flexible (fine) strand available upon request (14,12 & 10 awg)