


USA SOLAR CABLE

600 Volt / 1000 Volt Single Conductor Power Cable

USE-2 or RHH or RHW-2

Zero Halogen, Limited Smoke Jacket

<p>DESCRIPTION: 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>STANDARDS: UL 4703 Listed as PV 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</p>									<p>BENEFITS:</p> <ol style="list-style-type: none"> 1. Can be used on transformerless inverter systems @ 2kv rating 2. High degree of UV resistance 3. Lower SIC (i.e. lower losses) 4. Rugged Insulation (XLPE) 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 6. LEED Credit 			
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>												

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