


# USA SOLAR CABLE- PHOTOVOLTAIC

## TYPE PV DUAL CERTIFIED UL AND TÜV/ TYPE USE-2/ RHH/RHW-2

Polyolefin Insulation, LSZH Cross-linked Compound Jacket, Two layer construction  
UL 600V/ TÜV 1000V

<p><b>APPLICATION:</b> Designed to meet varying needs of the solar industry including connection to module junction boxes; required cable routing in balance of system (BOS) intergration. Specially designed for excellent flexibility.</p> <p><b>STANDARDS:</b></p> <ol style="list-style-type: none"> <li>1. UL listed Type USE-2, Type RHW-2</li> <li>2. TÜV Listed as PV1-F 1000V, TÜV Certification 2 Pfg 1169/08.2007</li> <li>3. UL Standard 854: Standard for Safety for Service Entrance Cables</li> <li>4. UL Standard 44: Thermoset Insulated Wires &amp; Cables, Type RHW-2</li> <li>5. ASTM B3- Standard Specificaliton for soft or annealed copper wire ASTM B33- Standard Specification for tinned soft or annealed copper wire for electrical purposes</li> <li>6. UL listed sunlight resistant, Vertical Flame Performance EN 60332-1</li> <li>7. Excellent UV and Ozone Resistance</li> <li>8. Suitable for wet, damp and humid locations</li> <li>9. Meets cold bend test at -40° C</li> <li>10. 90°C Temperature Rating, Temperature index in excess of 120°C</li> </ol> <p><b>CONSTRUCTION:</b> Soft annealed tin-coated flexible stranded copper per ASTM B33 and EN 60228. Insulation of halogen-free, thermoset polyolefin specifically designed for maximum flexibility. Jacket of black low smoke non-halogenated flame retardant, oil, abrasion, chemical and sunlight resistant cross-linked compound meeting UL 44, UL 854 and TUV 2Pfg1169/08.2007</p>						
<b>MADE IN THE USA</b>						
USAWC Part #	Size AWG	Strand (no.)	Insulation Thickness Mils	Jacket Thickness Mils	OD Inches	Weight lbs/1000 ft
14-01PVTUV1KV	14	45	45	30	.245	41
12-01PVTUV1KV	12	52	45	30	.265	48
10-01PVTUV1KV	10	78	45	30	.286	62