


USA SOLAR CABLE

2000 Volt Single Conductor Power Cable
EPR Insulation, CPE Jacket
RHH or RHW-2, UL VW-1, UL4703

| <p>DESCRIPTION: Single bare copper conductor, stranded, insulated with a layer of Ethylene-Propylene Rubber (EPR) with an overall jacket of flame retardant, oil and sunlight resistant Chlorinated Polyethylene (CPE) Allowed for use on ungrounded systems as described in NEC Article 690 without the need for conduit when installed exposed.</p> <p>STANDARDS: UL Listed as PV Wire UL Subject 4703 UL 44 UL Listed as Sunlight Resistant Flame Resistance: UL VW-1 ASTM B-3 Suitable for continuous operating temperature of 90° C wet or dry</p> | | | |  | | | | |
|--|------|-----|-----------------|--|---|--|---------------------------|-----------------------|
| USAWC Part # | Size | | Strand (no.) | Nominal Inner Layer Thickness (Inches) | Nominal Outer Layer Thickness (Inches) | Nominal Outer Diameter (Inches) | Copper Wt. lbs/1000 ft | Weight lbs/1000 ft |
| | AWG | mm | | | | | | |
| 14-012KVPV | 14 | - | 7 | 0.045 | 0.030 | .243 | 13 | 37 |
| 12-012KVPV | 12 | - | 7 | 0.045 | 0.030 | .262 | 20 | 48 |
| 10-012KVPV | 10 | - | 7 | 0.045 | 0.030 | .282 | 32 | 64 |
| 8-012KVPV | 8 | - | 7 | 0.055 | 0.030 | .331 | 50 | 94 |
| Flexible Tinned Copper - AWG and Metric Sizes | | | | | | | | |
| 14-012KVPVFLEX | 14 | - | 19 | 0.045 | 0.030 | .240 | 13 | 37 |
| 2.5-012KVPVFLEX | - | 2.5 | 45 | 1.14 (mm) | .760 (mm) | 6.22 (mm) | 15.23 | 58 (kg/km) |
| 12-012KVPVFLEX | 12 | - | 19 | 0.045 | 0.030 | .258 | 20 | 48 |
| 4MM-012KVPVFLEX | - | 4 | 52 | 1.14 (mm) | .760 (mm) | 6.73 (mm) | 24.37 | 75 (kg/km) |
| 10-012KVPVFLEX | 10 | - | 37 | 0.045 | 0.030 | .282 | 32 | 63 |
| 6MM-012KVPVFLEX | - | 6 | 78 | 1.14 (mm) | .760 (mm) | 7.26 (mm) | 36.56 | 97 (kg/km) |
| 8-012KVPVFLEX | 8 | - | 168 | 0.055 | 0.030 | .351 | 50 | 1000 |
| NOTE: Cable diameters and weights are subject to +/- 5% manufacturing tolerance | | | | | | | | |