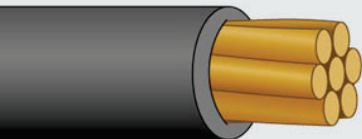


## RPVU-90



### APPLICABLE TESTS AND STANDARDS

- ✓ ASTM B-1, B-3, B-8, B-33
- ✓ UL 44
- ✓ CSA C22.2 NO. 38-10 AND NO. 271-11
- ✓ NEC NFPA 70, NEC 690.31
- ✓ ICEA S-95-658/NEMA WC70

### FEATURES

- ✓ 600V RATED
- ✓ DIRECT BURIAL RATED
- ✓ -40°C TO 90°C MAX CONTINUING OPERATING TEMPERATURE IN WET LOCATIONS
- ✓ -40°C TO 105°C MAX CONTINUING OPERATING TEMPERATURE IN DRY LOCATIONS

### PRINT LEGEND

- ✓ KRIS-TECH WIRE CO. #XX AWG (XX MM2) XLPE TYPE RPV90 OR RW90 600V 90C (-40C) WET OR DRY FT1 C(UL)US

### VALUE ADD SERVICE

- ✓ CUSTOM LENGTHS AND PUT-UPS
- ✓ 12 AVAILABLE COLORS
- ✓ WIRE PARALLELING AND CABLING
- ✓ WIRE STRIPING
- ✓ CUSTOM PRINT LEGENDS AND LABELS

### SCOPE

RPVU-90 is a single conductor wire insulated with crosslinked polyethylene (XLP or XLPE) and rated for use in AC and DC photovoltaic power systems less than 2kV. This wire is used for interconnection wiring in grounded and ungrounded solar systems.

### CONSTRUCTION

**Conductors:** Single conductors are available in solid or stranded and annealed or hardened configurations. Tin coated copper conductors are also available.

**Insulation:** Conductors are insulated with a concentrically applied XLPE (crosslinked polyethylene) that is FT1 flame and "Oil and Gasoline Resistant I" rated.

All black insulation is rated "Sunlight Resistant." All colored insulation is rated "Sunlight Resistant" in sizes #6 AWG and larger, and optional in sizes #8 AWG and smaller.

### IDENTIFICATION AND PACKAGING

Print legends on the wire include the manufacturer, conductor size, voltage rating, UL symbol (if applicable) and type designation. Standard length spools are 500 or 2500 feet.

AWG/MCM	Standard Number of Strands	Optional Stranding**	Insulation Thickness (Mils)	Nominal Overall Diameter (Inches)	Approx. Shipping Weight (Lbs./1000')	Ampacity @ 90°C*
14	7	41	60	0.19	24	25
12	7	65	60	0.21	33	30
10	7	105	60	0.24	47	40
8	7	133	60	0.27	69	55
6	7	133	80	0.34	111	75
4	7	133	80	0.39	164	95
2	7	133	80	0.45	247	130
1	19	133	95	0.52	315	145
1/0	19	133	95	0.56	389	170

\* Ampacity is from NEC Article 310. Check with local codes authority for guidance with your application.

\*\*This stranding may require a Minimum Order Quantity, please contact Kris-Tech Sales for more information



SNAP FOR MORE INFORMATION