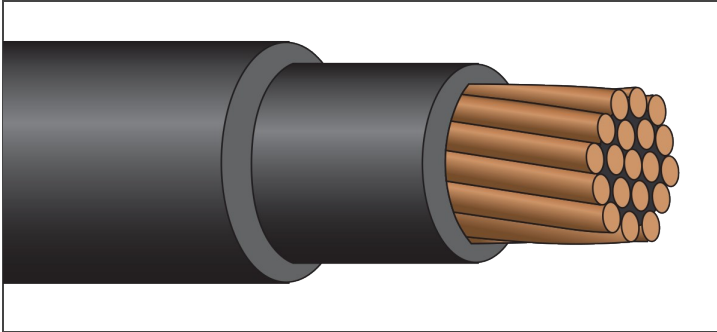


SINGLE CONDUCTOR



SERVICESOLAR® (PV) USE-2 or RHW-2/EnviroPlus®

600 Volt Copper, LSZH Jacket
(for use with Solar Panels)



Description:

Single conductor insulated with heat and moisture resistant, crosslinked polyethylene insulation (*type RHW-2*), with an overall flame and sunlight resistant, zero halogen, low smoke, zero lead jacket.

Available with tinned conductors.

Application:

Suitable for use as interconnection wiring on solar panels in grounded or ungrounded systems as defined in applicable parts of the National Electrical Code (NEC) NFPA 70, such as article 690.31(A).

Standards:

UL 44 RHW-2, UL 854 USE-2 and UL 4703 PV Wire
C(UL) RPV90: CSA C22.2 #271
ICEA S-95-658/NEMA WC-70
Flame Rated: VW-1/FT1, CT Use (*1/0 AWG and larger*)
Sunlight Resistant
Temperature Rated at 90°C Wet/Dry
Cold Temperature Rated at -40°C
Direct Burial
Zero Halogen, Low Smoke Jacket
RoHS Compliant

Part Number	Size (AWG or Kcmil)	Strand (no.)	Insulation Thickness (mils)	Jacket Thickness (mils)	Nominal Diameter Overall (in.)	Approx. Net Weight (lb./1000')	Ampacity* (30°C ambient) 90°C Wet/Dry
PVENV16	16	26	45	30	0.21	26	8
PVENV14	14	7	45	30	0.22	33	25
PVENV12	12	7	45	30	0.24	43	30†
PVENV10	10	7	45	30	0.27	58	40†
PVENV8	8	7	60	30	0.32	87	55
PVENV6	6	7	60	45	0.39	135	75
PVENV4	4	7	60	45	0.44	192	95
PVENV3	3	7	60	45	0.46	231	115
PVENV2	2	7	60	45	0.49	279	130
PVENV1	1	19	80	60	0.60	373	145
PVENV1/0	1/0	19	80	60	0.64	454	170
PVENV2/0	2/0	19	80	60	0.68	552	195
PVENV3/0	3/0	19	80	60	0.73	673	225
PVENV4/0	4/0	19	80	60	0.79	824	260
PVENV250	250	37	95	80	0.89	996	290
PVENV300	300	37	95	80	0.94	1,166	320
PVENV350	350	37	95	80	0.99	1,336	350
PVENV400	400	37	95	80	1.04	1,503	380
PVENV500	500	37	95	80	1.12	1,837	430
PVENV600	600	61	110	80	1.22	2,192	475
PVENV750	750	61	110	80	1.32	2,687	535

*Per NEC Table 310.15 (B)(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 per NEC 310-17 footnote. NOTE: The data shown is approximate and subject to standard industry tolerances.