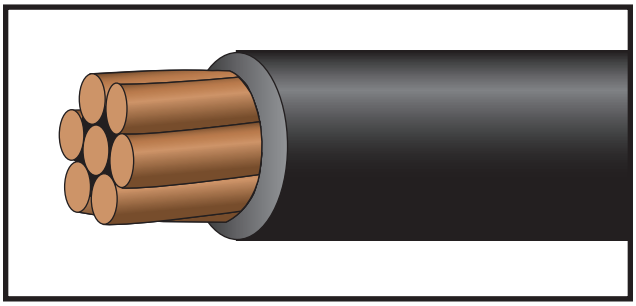

Photovoltaic Wire ServiceSolar®

(for use with Solar Panels)

VW-1, USE-2 or RHH or RHW-2 600 Volt Copper

Description:
Single copper conductor, stranded and insulated with moisture and heat resistant crosslinked polyethylene. Rated 600V to meet the challenging requirements of transformerless inverters on photovoltaic (solar) panel installations. **Available in colors.**

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). Suitable for use in 105ºC dry systems. Also suitable for use in low leakage circuits requiring a dielectric constant of 3.5 or less (Hospital Grade).

Standards:
ASTM Standards:
B-3 (soft or annealed)
B-8 (concentric lay stranded)
B787 (combination strand)
UL 44, UL 854 and UL 4703
C(UL) RPVU90 1kV/2kV
ICEA S-95-658/NEMA WC-70
Federal Spec. A-A-59544
Flame Rated: VW-1/FT1
CT Use (1/0 AWG and larger)
Temperature Rated at 90ºC Wet/Dry
Cold Temperature Rated at -40°C
Sunlight Resistant
Gasoline and Oil Resistant II
Direct Burial
RoHS Compliant

	Part Number	Size AWG or Kcmil	Strand (no.)	Insulation Thickness (mils)	Nominal Diameter Overall (inch)	Approx. Net Weight (lb/1000')	Ampacity* 90°C Wet/Dry
XLPE PV / 600 V RHH / RHW-2	PV14VW	14	7	60	0.193	27	35 †
	PV14VW-C	14	19	60	0.193	27	35 †
	PV12VW	12	7	60	0.212	37	40 †
	PV12VW-C	12	19	60	0.212	37	40 †
	PV10VW	10	7	60	0.236	51	55 †
	PV10VW-C	10	19	60	0.236	51	55 †
	PV8VW	8	7	75	0.296	81	80
	PV8VW-C	8	19	75	0.296	81	80
	PV6VW	6	7	75	0.334	116	105
	PV4VW	4	7	75	0.382	170	140
	PV3VW	3	7	75	0.410	207	165
	PV2VW	2	7	75	0.442	254	190
	PV1VW	1	19	95	0.511	329	220
	PV1/0VW	1/0	19	95	0.550	402	260
	PV2/0VW	2/0	19	95	0.594	495	300
	PV3/0VW	3/0	19	95	0.644	611	350
	PV4/0VW	4/0	19	95	0.700	755	405
	PV250VW	250	37	110	0.795	906	455
	PV300VW	300	37	110	0.849	1,071	500
	PV350VW	350	37	110	0.901	1,235	570
	PV400VW	400	37	110	0.948	1,399	615
	PV500VW	500	37	110	1.033	1,724	700
	PV600VW	600	61	125	1.143	2,079	780
	PV750VW	750	61	125	1.248	2,565	885

*Based on ambient temperature of 30°C per NEC-Table 310-17
†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.
NOTE: Photovoltaic module interconnection wire for use with or without a raceway in accordance with wiring systems Article 690 in the National Electrical Code (NEC), NFPA 70.