



Photovoltaic Wire for use with Solar Panels

2000 Volt Single Conductor Power Cable USE-2 or RHH or RHW-2

Single Conductors

Description:

Single copper conductor, stranded, insulated with moisture and heat resistant cross-linked polyethylene. Rated 2KV to meet the challenging requirements of transformerless inverters on photovoltaic (solar) panel installations. **Available in colors.** Temperature rating is 90° C in wet and dry applications.

Applications:

Photovoltaic wire (2,000 Volt) 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:

- ASTM B3 & B8
- UL 44, UL 854, UL 4703,
- Direct Burial Rated
- Flame Rated: VW-1 per UL 1685
- Federal Spec. A-A-59544
- ICEA S-95-658/NEMA WC-70
- CT rated 1/0 and larger
- Sunlight Resistant
- #14-4/0 Rated L-824C
- 40° C rated
- Suitable for use in 105 C Dry System
- RoHS Compliant

Part Number	Size AWG or MCM	Strand (no.)	Insulation Thickness (mils)	Nominal Diameter Overall (inch)	Approx. Net Weight (lbs./mft)	Ampacity* 90°C Wet/Dry	
2KV RHH / RHW-2	PV2K14VW1	14	7	75	.223	33	35 †
	PV2K12VW1	12	7	75	.242	43	40 †
	PV2K10VW1	10	7	75	.266	58	55 †
	PV2K8VW1	8	7	85	.316	86	80
	PV2K6VW1	6	7	85	.354	122	105
	PV2K4VW1	4	7	85	.402	177	140
	PV2K3VW1	3	7	85	.430	215	165
	PV2K2VW1	2	7	85	.432	262	190
	PV2K1VW1	1	19	105	.531	338	220
	PV2K1/0VW1	1/0	19	105	.570	413	260
	PV2K2/0VW1	2/0	19	105	.614	506	300
	PV2K3/0VW1	3/0	19	105	.664	623	350
	PV2K4/0VW1	4/0	19	105	.720	768	405
	PV2K250VW1	250	37	120	.815	920	455
	PV2K300VW1	300	37	120	.869	1,086	505
	PV2K350VW1	350	37	120	.921	1,252	570
	PV2K400VW1	400	37	120	.968	1,416	615
	PV2K500VW1	500	37	120	1.053	1,743	700
PV2K600VW1	600	61	135	1.163	2,099	780	
PV2K750VW1	750	61	135	1.268	2,587	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. 2011