

SunGen® Photovoltaic Wire

XLPE

1000 V or 2000 V, CSA Type RPVU90, Single Conductor, Aluminum



Product Construction:

Conductor:

- 6 AWG thru 2 AWG Class B compact stranded aluminum alloy (8000 Series) per ASTM B800 and ASTM B801
- 1 AWG thru 350 kcmil compact stranded SIIV aluminum alloy (8000 Series) per ASTM B800, ASTM B801 and ASTM B836
- 400 kcmil thru 1000 kcmil Class B compact stranded aluminum alloy (8000 Series) per ASTM B800 and ASTM B801

Insulation:

- Flame-retardant Cross-linked Polyethylene (XLPE)

Print:

- GENERAL CABLE® (PLANT OF MFG) SIZE (AWG OR KCMIL) (MM²) AL ACM SUNGEN® RPVU90 XLPE (-40°C) (VOLTS) SR CSA LL 28117 YEAR DATE (TIME OF MFG) SEQUENTIAL FOOTAGE

Options:

- Available in black and full color skin coat

Applications:

- Stable electrical properties over a broad temperature range
- For use in interconnection wiring of grounded and ungrounded photovoltaic power systems as described in CSA 22.2 No. 271

Features:

- Available in 1000 V and 2000 V
- Rated 90°C wet or dry locations
- UV/sunlight-resistant, moisture-resistant and flame-retardant insulation
- Meets cold bend and cold impact tests at -40°C
- Excellent electrical, thermal and physical properties
- Resistant to crush, compression cuts and heat deformation
- Exposed and concealed in wet or dry locations
- Rated for direct burial

Compliances:

- Industry Compliances:**
 - CSA 22.2 No. 271 File #LL 28117
 - Canadian Electrical Code (CEC)

Flame Test Compliances:

- CSA C22.2 No. 2556

Other Compliances:

- OSHA Acceptable
- RoHS Compliant

Packaging:

- Material cut to length and shipped on non-returnable wood reels

COND. SIZE (AWG/kcmil)	NUMBER OF WIRES	NOMINAL CONDUCTOR DIAMETER		MIN. AVG. INSULATION THICKNESS		NOMINAL CABLE DIAMETER		ALUMINUM CONDUCTOR WEIGHT		NET WEIGHT	
		IN	mm	IN	mm	IN	mm	LBS/1000 FT	kg/km	LBS/1000 FT	kg/km
6 AWG - 1500 kcmil CONDUCTORS											
6*	7	0.169	4.29	0.080	2.03	0.329	8.36	25	37	51	76
4*	7	0.213	5.41	0.080	2.03	0.373	9.47	39	58	70	104
3*	7	0.238	6.05	0.080	2.03	0.398	10.11	50	74	83	124
2*	7	0.268	6.81	0.080	2.03	0.428	10.87	62	92	99	147
1*	8	0.298	7.57	0.095	2.41	0.488	12.40	79	118	129	192
1/0*	10	0.337	8.56	0.095	2.41	0.527	13.39	99	147	155	231
2/0*	12	0.374	9.50	0.095	2.41	0.564	14.33	125	186	186	277
3/0*	16	0.421	10.69	0.095	2.41	0.611	15.52	158	235	226	336
4/0*	19	0.470	11.94	0.095	2.41	0.660	16.76	199	296	274	408
250*	23	0.514	13.06	0.110	2.79	0.734	18.64	235	350	329	490
350*	26	0.607	15.42	0.110	2.79	0.827	21.01	329	490	439	653
500*	37	0.736	18.69	0.110	2.79	0.956	24.28	471	701	593	882
750*	61	0.908	23.06	0.125	3.18	1.158	29.41	706	1051	876	1304
1000*	61	1.060	26.92	0.125	3.18	1.310	33.27	941	1400	1138	1694

Dimensions and weights are nominal; subject to industry tolerances.

* Non-stock item; minimum runs apply. Please consult Customer Service for price and delivery.

Renewable Energy Cable

