



1 Conductor RPV90 600V CSA

600V	Part No.	Conductor Size	Cable O.D.		Cable Weight		Max Pulling Tension		Resistance at 25°C	Ampacity
		AWG/kcmil	in	mm	lbs/Mft	kg/km	lbs	kg	Ω/Mft	A
	83214	14	0.133	3.38	18	26	34	15	2.706	25
	83212	12	0.151	3.84	25	38	52	24	1.593	30
	83210	10	0.174	4.42	38	57	83	38	1.000	40
	83208	8	0.224	5.69	63	93	151	69	0.627	55
	83206	6	0.260	6.60	93	138	210	95	0.396	75
	83204	4	0.305	7.75	148	220	334	151	0.249	95
	83203	3	0.335	8.51	184	274	421	191	0.197	115
	83202	2	0.370	9.40	232	345	531	241	0.156	130
	83201	1	0.410	10.41	295	439	670	304	0.124	145

Ampacity values based on CEC Part I 2018, Table 2. Correction factors may apply. Dimensions and weights are nominal and subject to change without notice.

Specifications and Compliances

- CSA C22.2 No. 38, Thermoset-insulated wires and cables (Type RPV90)
- CSA C22.2 No. 271, Photovoltaic Cables
- -40°C Cold Bend and -40°C Cold Impact
- Sunlight Resistant SUN RES

Conductor Stranded Bare Soft Copper conductors, ASTM B3

Insulation Cross-linked Polyethylene Insulation (XLPE)
CSA Type XL 90°C dry/wet

Applications

- For exposed wiring and raceways for interconnection of solar photovoltaic systems. See CEC Part I Section 64-210.
- For exposed wiring and raceways (except cable tray) in wet and dry locations.
- Minimum recommended installation temperature of minus 40°C with proper handling procedures.
- Cables marked SUN RES are also for outdoor use and exposed wiring subjected to the weather.