



1 Conductor RPVU90 2000V CSA

2000V	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
	83514	14	0.193	4.90	24	35	34	15	2.706	25
	83512	12	0.211	5.36	32	48	52	24	1.593	30
	83510	10	0.234	5.94	46	69	83	38	1.000	40
	83508	8	0.294	7.47	75	112	151	69	0.627	55
	83506	6	0.330	8.38	108	160	210	95	0.396	75
	83504	4	0.375	9.53	164	244	334	151	0.249	95
	83503	3	0.405	10.29	201	300	421	191	0.197	115
	83502	2	0.440	11.18	243	362	531	241	0.156	130
	83501	1	0.490	12.45	315	469	670	304	0.124	145
	83501/0	1/0	0.531	13.49	387	576	844	383	0.098	170
	83502/0	2/0	0.575	14.61	481	716	1065	483	0.078	195
	83503/0	3/0	0.612	15.54	589	876	1343	609	0.062	225
	83504/0	4/0	0.676	17.17	721	1073	1692	767	0.049	260
	835250	250	0.760	19.30	888	1321	2000	907	0.041	290
	835350	350	0.897	22.78	1178	1753	2802	1271	0.030	350
	835500	500	0.980	24.89	1694	2520	3997	1813	0.021	430
	835600	600	1.120	28.45	2138	3181	4802	2178	0.017	475
	835750	750	1.209	30.71	2517	3745	6002	2722	0.014	535
	8351000	1000	1.355	34.42	3413	5078	7995	3627	0.010	615

Ampacity values based on CE Code Part I 2024, Table 2. Correction factors may apply. Dimensions and weights are nominal and subject to change without notice.

Specifications and Compliances

- CSA C22.2 No. 271 Photovoltaic cables (Type RPVU90)
- CSA C22.2 No. 38, Thermoset-insulated wires and cables (Type RW90)
- CSA C22.2 No. 2556 FT4, UL 1685 Vertical-Tray Flame Test
- IEEE 383 & 1202, ICEA T-30-520 (70,000 BTU/hr) Vertical Flame Test rated
- -40°C Cold Bend and -40°C Cold Impact
- Sunlight Resistant, SUN RES all colours, Direct Burial

Conductor

Stranded Soft Copper, ASTM B3

Insulation

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

Applications

- For interconnection of solar photovoltaic systems. See CE Code Part I Section 64-210.
- For use in raceways (1/0 and larger is Tray Cable approved as per CE Code Part I Section 64-210), ventilated, non-ventilated and ladder-type cable trays.
- For dry, damp or wet locations, in ceiling air-handling plenums, direct burial, exposed and concealed wiring.