



1 Conductor RWU90 1000V CSA

1C	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
	81408	8	0.294	7.47	75	112	151	69	0.627	55
	81406	6	0.330	8.38	108	160	210	95	0.396	75
	81404	4	0.375	9.53	164	244	334	151	0.249	95
	81403	3	0.405	10.29	201	300	421	191	0.197	115
	81402	2	0.440	11.18	243	362	531	241	0.156	130
	81401	1	0.490	12.45	315	469	670	304	0.124	145
	81401/0	1/0	0.531	13.49	387	576	844	383	0.098	170
	81402/0	2/0	0.575	14.61	481	716	1065	483	0.078	195
	81403/0	3/0	0.612	15.54	589	876	1343	609	0.062	225
	81404/0	4/0	0.676	17.17	721	1073	1692	767	0.049	260
	814250	250	0.760	19.30	888	1321	2000	907	0.041	290
	814350	350	0.897	22.78	1178	1753	2802	1271	0.030	350
	814500	500	0.980	24.89	1694	2520	3997	1813	0.021	430
	814600	600	1.120	28.45	2138	3181	4802	2178	0.017	475
	814750	750	1.209	30.71	2517	3745	6002	2722	0.014	535
	8141000	1000	1.355	34.42	3413	5078	7995	3627	0.010	615

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 RWU90)
- 40°C Cold Bend and -40°C Cold Impact
- Sunlight Resistant SUN RES all colours 8 AWG and larger; Standard 14, 10 and 12 AWG are SUN RES if black only. SUN RES in all colours available upon request.

Conductor

Solid and Stranded Bare Soft Copper or Tinned conductors, ASTM B8, B3 and B33

Insulation

Cross-linked Polyethylene Insulation (XLPE) CSA Type XL 90°C dry/wet 1000V

Applications

- For exposed wiring and raceways (except cable tray) in wet and dry locations.
- For direct earth burial (with protection as required by inspection).
- 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.