



1 Conductor RW90 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
	81314	14/1	0.154	3.91	18	27	34	15	2.706	25
	81312	12/1	0.171	4.34	26	39	52	24	1.593	30
	81310	10/1	0.192	4.88	40	60	83	38	1.000	40
	81214	14/7	0.163	4.14	20	30	34	15	2.706	25
	81212	12/7	0.181	4.60	28	42	52	24	1.593	30
	81210	10/7	0.204	5.18	42	63	83	38	1.000	40
	81208	8	0.224	5.69	71	106	151	69	0.627	55
	81206	6	0.290	7.37	102	151	210	95	0.396	75
	81204	4	0.335	8.51	154	230	334	151	0.249	95
	81203	3	0.365	9.27	191	284	421	191	0.197	115
	81202	2	0.400	10.16	237	346	531	241	0.156	130
	81201	1	0.460	11.68	310	439	670	304	0.124	145
	81201/0	1/0	0.501	12.73	383	521	844	383	0.098	170
	81202/0	2/0	0.545	13.84	484	651	1065	483	0.078	195
	81203/0	3/0	0.582	14.78	591	809	1343	609	0.062	225
	81204/0	4/0	0.646	16.41	738	1006	1692	767	0.049	260
	812250	250	0.720	18.29	899	1250	2000	907	0.041	290
	812350	350	0.857	21.77	1241	1631	2802	1271	0.030	350
	812500	500	0.951	24.16	1748	2459	3997	1813	0.021	430
	812600	600	1.050	26.67	2088	3100	4802	2178	0.017	475
	812750	750	1.139	28.93	2594	3608	6002	2722	0.014	535
	8121000	1000	1.285	32.64	3432	4721	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. 38, Thermoset-insulated wires and cables (Type RW90)
- CSA C22.2 No. 2556 FT4, IEEE 1202/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 if black only; SUN RES in all colours available upon request.

Conductor

Solid Soft Copper, ASTM B3 or Stranded Soft Copper, ASTM B8

Insulation

Cross-linked Polyethylene (XLPE)
CSA Type XL 105°C dry, 90°C wet 1000V,
Halogen-Free

Applications

- For use in raceways, 1/0 and larger may be used in ventilated, non-ventilated and ladder type cable trays.
- For dry, damp or wet locations and in ceiling air-handling plenums.

CUSTOM ORDER OPTIONS

