RW90 Copper 1000V ElectroPower®

RW90 | HALOGEN FREE | LOW TEMP | HIGH TEMP | UV RESISTANT | WET LOCATION | CHEMICAL RESISTANT | OIL RESISTANT | IMPACT RESISTANT | EXPOSED WIRING

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 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 RW90)
- -40°C Cold Bend and -40°C Cold Impact
- Sunlight Resistant SUN RES

Applications

- 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.

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

ISO 9001 | RoHS COMPLIANT | REACH COMPLIANCE

Electro cables
Innovation in Connecting Technology