



1 Conductor RW90 600V 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
	90508	8	0.224	5.69	26	39	99	45	0.902	45
	90506	6	0.246	6.25	38	56	157	71	0.661	55
	90504	4	0.303	7.70	56	83	250	114	0.416	75
	90503	3	0.330	8.38	68	101	316	143	0.327	85
	90502	2	0.360	9.14	83	124	398	181	0.261	100
	90501	1	0.410	10.42	102	152	502	228	0.207	115
	90501/0	1/0	0.453	11.51	127	189	634	288	0.165	135
	90502/0	2/0	0.487	12.37	157	234	799	362	0.130	150
	90503/0	3/0	0.510	12.95	198	295	1007	457	0.103	175
	90504/0	4/0	0.589	14.96	235	349	1270	576	0.079	205
	905250	250	0.665	16.89	286	425	1500	680	0.067	230
	905350	350	0.761	19.33	382	569	2100	953	0.050	280
	905500	500	0.871	22.12	537	799	3000	1361	0.035	350
	905600	600	0.986	25.05	666	991	4000	1814	0.029	385
	905750	750	1.092	27.73	805	1198	4500	2041	0.023	435

Ampacity values based on CE Code Part I 2024, Table 4. 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

Stranded AA-8000 Series Aluminum Alloy (ACM)

Insulation

Cross-linked Polyethylene (XLPE)
CSA Type XL 105°C dry, 90°C wet 600V,
Halogen-Free

Applications

- For use in raceways (except cable tray), ventilated, non-ventilated and ladder-type cable trays.
- For dry, damp or wet locations, in ceiling air-handling plenums and concealed wiring.