



## 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
	80414	14/1	0.124	3.15	16	24	34	15	2.702	25
	80412	12/1	0.141	3.58	24	35	52	24	1.591	30
	80410	10/1	0.162	4.11	36	53	83	38	0.999	40
	80514	14/7	0.133	3.38	18	26	34	15	2.706	25
	80512	12/7	0.151	3.84	25	38	52	24	1.593	30
	80510	10/7	0.174	4.42	38	57	83	38	1.000	40
	80508	8	0.224	5.69	63	93	151	69	0.627	55
	80506	6	0.260	6.60	93	138	210	95	0.396	75
	80504	4	0.305	7.75	148	220	334	151	0.249	95
	80503	3	0.335	8.51	184	274	421	191	0.197	115
	80502	2	0.370	9.40	232	345	531	241	0.156	130
	80501	1	0.410	10.41	295	439	670	304	0.124	145
	80501/0	1/0	0.451	11.46	362	538	844	383	0.098	170
	80502/0	2/0	0.495	12.57	447	665	1065	483	0.078	195
	80503/0	3/0	0.532	13.51	563	838	1343	609	0.062	225
	80504/0	4/0	0.596	15.14	700	1042	1692	767	0.049	260
	805250	250	0.670	17.02	820	1220	2000	907	0.041	290
	805350	350	0.807	20.50	1187	1766	2802	1271	0.030	350
	805500	500	0.890	22.61	1672	2488	3997	1813	0.021	430
	805600	600	1.030	26.16	2075	3088	4802	2178	0.017	475
	805750	750	1.119	28.42	2412	3588	6002	2722	0.014	535
	8051000	1000	1.265	32.13	3223	4796	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 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.

### CUSTOM ORDER OPTIONS

