



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, 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.