



1 Conductor RW90 600V CSA FT4-ST1 TC

| 1C | Part No. | Conductor Size | Cable O.D. | | Cable Weight | | Max Pulling Tension | | Resistance at 20°C | Ampacity |
|----|--------------|----------------|------------|------|--------------|-------|---------------------|------|--------------------|----------|
| | | AWG/kcmil | in | mm | lbs/Mft | kg/km | lbs | kg | Ω/Mft | A |
| | 80508B-ST1 | 8 | 0.224 | 5.7 | 73 | 109 | 151 | 69 | 0.654 | 55 |
| | 80506B-ST1 | 6 | 0.259 | 6.6 | 99 | 147 | 210 | 95 | 0.411 | 75 |
| | 80504B-ST1 | 4 | 0.315 | 8.0 | 153 | 228 | 334 | 151 | 0.259 | 95 |
| | 80503B-ST1 | 3 | 0.342 | 8.7 | 188 | 280 | 421 | 191 | 0.205 | 115 |
| | 80502B-ST1 | 2 | 0.373 | 9.5 | 234 | 348 | 531 | 241 | 0.163 | 130 |
| | 80501B-ST1 | 1 | 0.413 | 10.5 | 299 | 445 | 670 | 304 | 0.129 | 145 |
| | 80501/0B-ST1 | 1/0 | 0.448 | 11.4 | 377 | 561 | 844 | 383 | 0.102 | 170 |
| | 80502/0B-ST1 | 2/0 | 0.487 | 12.4 | 462 | 687 | 1065 | 483 | 0.0811 | 195 |
| | 80503/0B-ST1 | 3/0 | 0.529 | 13.4 | 575 | 856 | 1343 | 609 | 0.0643 | 225 |
| | 80504/0B-ST1 | 4/0 | 0.595 | 15.1 | 719 | 1070 | 1692 | 767 | 0.0510 | 260 |
| | 805250B-ST1 | 250 | 0.670 | 17.0 | 880 | 1310 | 2000 | 907 | 0.0432 | 290 |
| | 805350B-ST1 | 350 | 0.785 | 19.9 | 1219 | 1814 | 2802 | 1271 | 0.0308 | 350 |
| | 805500B-ST1 | 500 | 0.902 | 22.9 | 1716 | 2554 | 3997 | 1813 | 0.0216 | 430 |
| | 805600B-ST1 | 600 | 0.973 | 24.7 | 2073 | 3084 | 4802 | 2178 | 0.0180 | 475 |
| | 805750B-ST1 | 750 | 1.158 | 29.4 | 2585 | 3847 | 6002 | 2722 | 0.0144 | 535 |
| | 8051000B-ST1 | 1000 | 1.312 | 33.3 | 3414 | 5081 | 7995 | 3627 | 0.0108 | 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. 230, Tray Cables (Type TC for 1/0 AWG and larger)
- CSA C22.2 No. 2556 FT4-ST1/UL 1685 Vertical-Tray Flame Test
- IEEE 383 & 1202, ICEA T-30-520 (70,000 BTU/hr) Vertical Flame Test rated
- NFPA 130 Smoke and Flame requirements.
- -40°C Cold Bend and -40°C Cold Impact
- Sunlight Resistant, SUN RES all colours if 8 AWG and larger; 14, 12 and 10 AWG available upon request

Conductor

Stranded Bare Soft Copper, ASTM B8

Insulation

Cross-linked Polyethylene Insulation (XLPE)
CSA Type XL 90°C dry/wet 600V

Applications

- For use in raceways, ventilated, non-ventilated and ladder-type cable trays.
- For dry, damp or wet locations and in ceiling air-handling plenums.
- Single conductor 1/0 and larger are Tray Cable approved.
- For use in Hazardous locations: Zone 0 (intrinsically safe cables only), Zone 2, Zone 22 (per Section 18).