



## 1 Conductor RW90 1000V 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        |
|    | 81208B-ST1   | 8              | 0.224      | 5.7  | 73           | 109   | 151                 | 69   | 0.654              | 55       |
|    | 81206B-ST1   | 6              | 0.289      | 7.3  | 106          | 158   | 210                 | 95   | 0.411              | 75       |
|    | 81204B-ST1   | 4              | 0.345      | 8.8  | 162          | 241   | 334                 | 151  | 0.259              | 95       |
|    | 81203B-ST1   | 3              | 0.372      | 9.4  | 198          | 294   | 421                 | 191  | 0.205              | 115      |
|    | 81202B-ST1   | 2              | 0.403      | 10.2 | 244          | 363   | 531                 | 241  | 0.163              | 130      |
|    | 81201B-ST1   | 1              | 0.463      | 11.8 | 319          | 474   | 670                 | 304  | 0.129              | 145      |
|    | 81201/0B-ST1 | 1/0            | 0.498      | 12.6 | 398          | 593   | 844                 | 383  | 0.102              | 170      |
|    | 81202/0B-ST1 | 2/0            | 0.537      | 13.6 | 485          | 721   | 1065                | 483  | 0.0811             | 195      |
|    | 81203/0B-ST1 | 3/0            | 0.579      | 14.7 | 600          | 893   | 1343                | 609  | 0.0643             | 225      |
|    | 81204/0B-ST1 | 4/0            | 0.645      | 16.4 | 747          | 1112  | 1692                | 767  | 0.0510             | 260      |
|    | 812250B-ST1  | 250            | 0.720      | 18.3 | 912          | 1357  | 2000                | 907  | 0.0432             | 290      |
|    | 812350B-ST1  | 350            | 0.835      | 21.2 | 1255         | 1868  | 2802                | 1271 | 0.0308             | 350      |
|    | 812500B-ST1  | 500            | 0.952      | 24.2 | 1758         | 2616  | 3997                | 1813 | 0.0216             | 430      |
|    | 812600B-ST1  | 600            | 0.993      | 25.2 | 2090         | 3111  | 4802                | 2178 | 0.0180             | 475      |
|    | 812750B-ST1  | 750            | 1.178      | 29.9 | 2606         | 3878  | 6002                | 2722 | 0.0144             | 535      |
|    | 8121000B-ST1 | 1000           | 1.332      | 33.8 | 3438         | 5116  | 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, Halogen-Free

### Conductor

Stranded Bare Soft Copper, ASTM B8

### Insulation

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

### 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).