



## 1 Conductor RWU90 1000V CSA FT4

| 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        |
|    | 81408FT4   | 8              | 0.294      | 7.47  | 81           | 121   | 151                 | 69   | 0.627              | 55       |
|    | 81406FT4   | 6              | 0.329      | 8.36  | 117          | 174   | 210                 | 95   | 0.396              | 75       |
|    | 81404FT4   | 4              | 0.385      | 9.78  | 173          | 258   | 334                 | 151  | 0.249              | 95       |
|    | 81403FT4   | 3              | 0.412      | 10.46 | 209          | 311   | 421                 | 191  | 0.197              | 115      |
|    | 81402FT4   | 2              | 0.443      | 11.25 | 260          | 386   | 531                 | 241  | 0.156              | 130      |
|    | 81401FT4   | 1              | 0.493      | 12.52 | 306          | 455   | 670                 | 304  | 0.124              | 145      |
|    | 81401/0FT4 | 1/0            | 0.528      | 13.41 | 406          | 605   | 844                 | 383  | 0.098              | 170      |
|    | 81402/0FT4 | 2/0            | 0.567      | 14.40 | 468          | 697   | 1065                | 483  | 0.078              | 195      |
|    | 81403/0FT4 | 3/0            | 0.609      | 15.47 | 572          | 851   | 1343                | 609  | 0.062              | 225      |
|    | 81404/0FT4 | 4/0            | 0.675      | 17.15 | 747          | 1112  | 1692                | 767  | 0.049              | 260      |
|    | 814250FT4  | 250            | 0.760      | 19.30 | 888          | 1322  | 2000                | 907  | 0.041              | 290      |
|    | 814350FT4  | 350            | 0.875      | 22.23 | 1211         | 1803  | 2802                | 1271 | 0.030              | 350      |
|    | 814500FT4  | 500            | 0.992      | 25.20 | 1672         | 2488  | 3997                | 1813 | 0.021              | 430      |
|    | 814600FT4  | 600            | 1.063      | 27.00 | 2065         | 3073  | 4802                | 2178 | 0.017              | 475      |
|    | 814750FT4  | 750            | 1.248      | 31.70 | 2568         | 3822  | 6002                | 2722 | 0.014              | 535      |
|    | 8141000FT4 | 1000           | 1.402      | 35.61 | 3375         | 5022  | 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 RWU90)
- CSA C22.2 No. 230, Tray Cables (TC rated)
- CSA C22.2 No. 2556 FT4, 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 all colours if 8 AWG and larger; 14, 12 and 10 AWG available upon request, Direct Burial

### Conductor

Stranded Soft Copper, ASTM B8

### Insulation

Cross-linked Polyethylene (XLPE)  
CSA Type XL 105°C dry, 90°C wet 1000V,  
Halogen-Free

### Applications

- For use in raceways, ventilated, non-ventilated and ladder-type cable trays.
- For dry, damp or wet locations, in ceiling air-handling plenums, direct burial, exposed and concealed wiring.
- For use in Hazardous locations: Zone 0 (intrinsically safe cables only), Zone 2, Zone 22 (per Section 18).