



1 Conductor RW90 1000V CSA FT4 TC-ER

| 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 |
| | 82108BB-T4E | 8 | 0.314 | 7.98 | 89 | 133 | 151 | 69 | 0.627 | 55 |
| | 82106BB-T4E | 6 | 0.379 | 9.63 | 136 | 202 | 210 | 95 | 0.396 | 75 |
| | 82104BB-T4E | 4 | 0.435 | 11.05 | 195 | 291 | 334 | 151 | 0.249 | 95 |
| | 82103BB-T4E | 3 | 0.462 | 11.73 | 232 | 346 | 421 | 191 | 0.197 | 115 |
| | 82102BB-T4E | 2 | 0.493 | 12.52 | 285 | 424 | 531 | 241 | 0.156 | 130 |
| | 82101BB-T4E | 1 | 0.553 | 14.05 | 338 | 504 | 670 | 304 | 0.124 | 145 |
| | 82101/0BB-T4E | 1/0 | 0.588 | 14.94 | 441 | 657 | 844 | 383 | 0.0983 | 170 |
| | 82102/0BB-T4E | 2/0 | 0.627 | 15.93 | 506 | 752 | 1065 | 483 | 0.0779 | 195 |
| | 82103/0BB-T4E | 3/0 | 0.669 | 16.99 | 612 | 911 | 1343 | 609 | 0.0618 | 225 |
| | 82104/0BB-T4E | 4/0 | 0.735 | 18.67 | 792 | 1178 | 1692 | 767 | 0.0490 | 260 |
| | 821250BB-T4E | 250 | 0.810 | 20.57 | 931 | 1385 | 2000 | 907 | 0.0415 | 290 |
| | 821350BB-T4E | 350 | 0.965 | 24.51 | 1298 | 1931 | 2802 | 1271 | 0.0296 | 350 |
| | 821500BB-T4E | 500 | 1.082 | 27.48 | 1769 | 2633 | 3997 | 1813 | 0.0208 | 430 |
| | 821600BB-T4E | 600 | 1.123 | 28.52 | 2138 | 3181 | 4802 | 2178 | 0.0173 | 475 |
| | 821750BB-T4E | 750 | 1.308 | 33.22 | 2653 | 3949 | 6002 | 2722 | 0.0138 | 535 |
| | 8211000BB-T4E | 1000 | 1.462 | 37.13 | 3470 | 5165 | 7995 | 3627 | 0.0104 | 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 Exposed Run (TC-ER)
- 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 all colours, Direct Burial, Low Acid Gas (AG14)

- Conductor** Stranded Soft Copper, ASTM B8
- Insulation** Cross-linked Polyethylene (XLPE) CSA Type XL 90°C dry/wet 1000V
- Jacket** Thermoplastic Elastomer (TPE) - AG14

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.
- 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).
- Cables marked TC-ER tray cable are permitted for exposed runs as per CE Code Part I 12-2202 3) and 4).

CUSTOM ORDER OPTIONS

