



2 Conductor RW90 1000V CSA FT4 TC-ER

| 2C | Part No. | Power Conductor | Bonding Conductor | Insulation Thickness | | Jacket Thickness | | Cable O.D. | | Cable Weight | | Max Pulling Tension | | Min Bend Radius | | Ampacity |
|----|------------------|-----------------|-------------------|----------------------|-----|------------------|-----|------------|------|--------------|-------|---------------------|------|-----------------|-----|----------|
| | | AWG/kcmil | AWG | in | mm | in | mm | in | mm | lbs/Mft | kg/km | lbs | kg | in | mm | A |
| | 8210802BBG-P4E | 8 | 10 | 0.045 | 1.1 | 0.060 | 1.5 | 0.597 | 15.2 | 260 | 387 | 303 | 138 | 5.4 | 136 | 55 |
| | 8210602BBG-P4E | 6 | 8 | 0.060 | 1.5 | 0.060 | 1.5 | 0.734 | 18.6 | 378 | 562 | 419 | 191 | 6.6 | 168 | 75 |
| | 8210402BBG-P4E | 4 | 8 | 0.060 | 1.5 | 0.080 | 2.0 | 0.886 | 22.5 | 538 | 801 | 668 | 303 | 8.0 | 202 | 95 |
| | 8210302BBG-P4E | 3 | 6 | 0.060 | 1.5 | 0.080 | 2.0 | 0.944 | 24.0 | 647 | 963 | 842 | 383 | 8.5 | 216 | 115 |
| | 8210202BBG-P4E | 2 | 6 | 0.060 | 1.5 | 0.080 | 2.0 | 1.006 | 25.6 | 751 | 1117 | 1063 | 483 | 9.1 | 230 | 130 |
| | 8210102BBG-P4E | 1 | 6 | 0.080 | 2.0 | 0.080 | 2.0 | 1.132 | 28.8 | 934 | 1390 | 1340 | 609 | 10.2 | 259 | 145 |
| | 82101/002BBG-P4E | 1/0 | 6 | 0.080 | 2.0 | 0.080 | 2.0 | 1.206 | 30.6 | 1109 | 1650 | 1687 | 767 | 10.9 | 276 | 170 |
| | 82102/002BBG-P4E | 2/0 | 6 | 0.080 | 2.0 | 0.080 | 2.0 | 1.284 | 32.6 | 1297 | 1931 | 2130 | 968 | 11.6 | 293 | 195 |
| | 82103/002BBG-P4E | 3/0 | 4 | 0.080 | 2.0 | 0.080 | 2.0 | 1.376 | 34.9 | 1605 | 2389 | 2686 | 1221 | 12.4 | 314 | 225 |
| | 82104/002BBG-P4E | 4/0 | 4 | 0.080 | 2.0 | 0.080 | 2.0 | 1.508 | 38.3 | 1924 | 2863 | 3384 | 1538 | 13.6 | 345 | 260 |
| | 82125002BBG-P4E | 250 | 4 | 0.090 | 2.3 | 0.110 | 2.8 | 1.720 | 43.7 | 2391 | 3558 | 4000 | 1818 | 15.5 | 393 | 290 |
| | 82130002BBG-P4E | 300 | 4 | 0.090 | 2.3 | 0.110 | 2.8 | 1.828 | 46.4 | 2759 | 4107 | 4795 | 2180 | 16.5 | 418 | 320 |
| | 82135002BBG-P4E | 350 | 3 | 0.090 | 2.3 | 0.110 | 2.8 | 1.954 | 49.6 | 3178 | 4729 | 5605 | 2548 | 17.6 | 447 | 350 |
| | 82140002BBG-P4E | 400 | 3 | 0.090 | 2.3 | 0.110 | 2.8 | 2.004 | 50.9 | 3525 | 5246 | 6403 | 2910 | 18.0 | 458 | 380 |
| | 82150002BBG-P4E | 500 | 2 | 0.090 | 2.3 | 0.110 | 2.8 | 2.192 | 55.7 | 4299 | 6398 | 7993 | 3633 | 19.7 | 501 | 430 |
| | 82160002BBG-P4E | 600 | 2 | 0.090 | 2.3 | 0.110 | 2.8 | 2.274 | 57.8 | 4993 | 7430 | 9604 | 4366 | 20.5 | 520 | 475 |
| | 82175002BBG-P4E | 750 | 2 | 0.090 | 2.3 | 0.110 | 2.8 | 2.644 | 67.2 | 6121 | 9110 | 12004 | 5456 | 23.8 | 605 | 535 |

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

Bonding Stranded Soft Copper, ASTM B8, XLPE Insulated (Green)

Jacket Thermoplastic Elastomer (TPE) - AG14

Colour Code Black and White or Black with White printed numbers

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).
- 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

