



12 AWG RW90 600V CSA FT4 TC-ER

| 12 AWG | Part No. | Conductor Count | Bonding Conductor | | Insulation Thickness | | Jacket Thickness | | Cable O.D. | | Cable Weight | | Max Pulling Tension | | Min Bend Radius | | Ampacity |
|--------|----------------|-----------------|-------------------|--|----------------------|-----|------------------|-----|------------|------|--------------|-------|---------------------|------|-----------------|-----|----------|
| | | | AWG | | in | mm | in | mm | in | mm | lbs/Mft | kg/km | lbs | kg | in | mm | |
| | 8201202BBG-P4E | 2/C | 12 | | 0.030 | 0.8 | 0.045 | 1.1 | 0.414 | 10.5 | 116 | 173 | 104 | 47 | 3.7 | 95 | 30 |
| | 8201203BBG-P4E | 3/C | 12 | | 0.030 | 0.8 | 0.045 | 1.1 | 0.436 | 11.1 | 146 | 217 | 156 | 71 | 3.9 | 100 | 30 |
| | 8201204BBG-P4E | 4/C | 12 | | 0.030 | 0.8 | 0.045 | 1.1 | 0.476 | 12.1 | 177 | 263 | 208 | 94 | 4.3 | 109 | 24 |
| | 8201205BBG-P4E | 5/C | 12 | | 0.030 | 0.8 | 0.06 | 1.5 | 0.549 | 14.0 | 227 | 338 | 260 | 118 | 4.9 | 126 | 24 |
| | 8201206BBG-P4E | 6/C | 12 | | 0.030 | 0.8 | 0.06 | 1.5 | 0.568 | 14.4 | 258 | 384 | 313 | 142 | 5.1 | 130 | 24 |
| | 8201207BBG-P4E | 7/C | 12 | | 0.030 | 0.8 | 0.06 | 1.5 | 0.595 | 15.1 | 289 | 430 | 365 | 166 | 5.4 | 136 | 21 |
| | 8201208BBG-P4E | 8/C | 12 | | 0.030 | 0.8 | 0.06 | 1.5 | 0.64 | 16.3 | 323 | 481 | 417 | 189 | 5.8 | 146 | 21 |
| | 8201209BBG-P4E | 9/C | 12 | | 0.030 | 0.8 | 0.06 | 1.5 | 0.663 | 16.8 | 354 | 527 | 469 | 213 | 6.0 | 152 | 21 |
| | 8201210BBG-P4E | 10/C | 12 | | 0.030 | 0.8 | 0.06 | 1.5 | 0.692 | 17.6 | 386 | 574 | 521 | 236 | 6.2 | 158 | 21 |
| | 8201211BBG-P4E | 11/C | 12 | | 0.030 | 0.8 | 0.06 | 1.5 | 0.717 | 18.2 | 417 | 620 | 573 | 260 | 6.5 | 164 | 21 |
| | 8201212BBG-P4E | 12/C | 12 | | 0.030 | 0.8 | 0.06 | 1.5 | 0.743 | 18.9 | 448 | 667 | 625 | 283 | 6.7 | 170 | 21 |
| | 8201215BBG-P4E | 15/C | 12 | | 0.030 | 0.8 | 0.08 | 2.0 | 0.869 | 22.1 | 577 | 859 | 781 | 354 | 7.8 | 199 | 21 |
| | 8201220BBG-P4E | 20/C | 12 | | 0.030 | 0.8 | 0.08 | 2.0 | 0.983 | 25.0 | 736 | 1096 | 1042 | 473 | 8.8 | 225 | 21 |
| | 8201225BBG-P4E | 25/C | 12 | | 0.030 | 0.8 | 0.08 | 2.0 | 1.088 | 27.6 | 894 | 1331 | 1302 | 591 | 9.8 | 249 | 18 |
| | 8201230BBG-P4E | 30/C | 12 | | 0.030 | 0.8 | 0.08 | 2.0 | 1.154 | 29.3 | 1048 | 1560 | 1563 | 709 | 10.4 | 264 | 18 |
| | 8201240BBG-P4E | 40/C | 12 | | 0.030 | 0.8 | 0.08 | 2.0 | 1.289 | 32.7 | 1353 | 2013 | 2084 | 945 | 11.6 | 295 | 18 |
| | 8201250BBG-P4E | 50/C | 12 | | 0.030 | 0.8 | 0.08 | 2.0 | 1.431 | 36.3 | 1658 | 2467 | 2605 | 1182 | 12.9 | 327 | 15 |

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 600V

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

Jacket Thermoplastic Elastomer (TPE) - AG14

Colour Code Black, White, Red and Blue 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

