



## 4 Conductor RW90 1000V CSA FT4-ST1 TC-ER

| 4C | 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        |
|    | 8211404BBG-ST1   | 14              | 14                | 0.045                | 1.1 | 0.060            | 1.5 | 0.503      | 12.8 | 157          | 233   | 606                 | 275   | 4.5             | 115 | 20       |
|    | 8211204BBG-ST1   | 12              | 12                | 0.060                | 1.5 | 0.080            | 2.0 | 0.582      | 14.8 | 224          | 333   | 839                 | 381   | 5.2             | 133 | 24       |
|    | 8211004BBG-ST1   | 10              | 10                | 0.060                | 1.5 | 0.080            | 2.0 | 0.640      | 16.3 | 303          | 452   | 1335                | 607   | 5.8             | 146 | 32       |
|    | 8210804BBG-ST1   | 8               | 10                | 0.045                | 1.1 | 0.060            | 1.5 | 0.688      | 17.5 | 420          | 625   | 606                 | 275   | 6.2             | 157 | 44       |
|    | 8210604BBG-ST1   | 6               | 8                 | 0.060                | 1.5 | 0.080            | 2.0 | 0.888      | 22.6 | 635          | 945   | 839                 | 381   | 8.0             | 203 | 60       |
|    | 8210404BBG-ST1   | 4               | 8                 | 0.060                | 1.5 | 0.080            | 2.0 | 1.023      | 26.0 | 882          | 1312  | 1335                | 607   | 9.2             | 234 | 76       |
|    | 8210304BBG-ST1   | 3               | 6                 | 0.060                | 1.5 | 0.080            | 2.0 | 1.097      | 27.9 | 1073         | 1596  | 1684                | 765   | 9.9             | 251 | 92       |
|    | 8210204BBG-ST1   | 2               | 6                 | 0.060                | 1.5 | 0.080            | 2.0 | 1.175      | 29.9 | 1275         | 1898  | 2125                | 966   | 10.6            | 269 | 104      |
|    | 8210104BBG-ST1   | 1               | 6                 | 0.080                | 2.0 | 0.080            | 2.0 | 1.320      | 33.5 | 1602         | 2384  | 2681                | 1218  | 11.9            | 302 | 116      |
|    | 82101/004BBG-ST1 | 1/0             | 6                 | 0.080                | 2.0 | 0.080            | 2.0 | 1.404      | 35.7 | 1938         | 2884  | 3375                | 1534  | 12.6            | 321 | 136      |
|    | 82102/004BBG-ST1 | 2/0             | 6                 | 0.080                | 2.0 | 0.080            | 2.0 | 1.498      | 38.1 | 2305         | 3430  | 4259                | 1936  | 13.5            | 342 | 156      |
|    | 82103/004BBG-ST1 | 3/0             | 4                 | 0.080                | 2.0 | 0.080            | 2.0 | 1.607      | 40.8 | 2848         | 4238  | 5372                | 2442  | 14.5            | 367 | 180      |
|    | 82104/004BBG-ST1 | 4/0             | 4                 | 0.080                | 2.0 | 0.110            | 2.8 | 1.826      | 46.4 | 3576         | 5322  | 6767                | 3076  | 16.4            | 418 | 208      |
|    | 82125004BBG-ST1  | 250             | 4                 | 0.090                | 2.3 | 0.110            | 2.8 | 2.007      | 51.0 | 4285         | 6376  | 8000                | 3636  | 18.1            | 459 | 232      |
|    | 82130004BBG-ST1  | 300             | 4                 | 0.090                | 2.3 | 0.110            | 2.8 | 2.137      | 54.3 | 5002         | 7444  | 9590                | 4359  | 19.2            | 489 | 256      |
|    | 82135004BBG-ST1  | 350             | 3                 | 0.090                | 2.3 | 0.110            | 2.8 | 2.288      | 58.1 | 5777         | 8598  | 11209               | 5095  | 20.6            | 523 | 280      |
|    | 82140004BBG-ST1  | 400             | 3                 | 0.090                | 2.3 | 0.110            | 2.8 | 2.348      | 59.6 | 6463         | 9619  | 12806               | 5821  | 21.1            | 537 | 344      |
|    | 82150004BBG-ST1  | 500             | 2                 | 0.090                | 2.3 | 0.110            | 2.8 | 2.574      | 65.4 | 7928         | 11798 | 15987               | 7267  | 23.2            | 588 | 380      |
|    | 82160004BBG-ST1  | 600             | 2                 | 0.090                | 2.3 | 0.110            | 2.8 | 2.673      | 67.9 | 9301         | 13841 | 19209               | 8731  | 24.1            | 611 | 428      |
|    | 82175004BBG-ST1  | 750             | 2                 | 0.090                | 2.3 | 0.140            | 3.6 | 3.179      | 80.7 | 11680        | 17382 | 24007               | 10912 | 28.6            | 727 | 492      |

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 (Type TC-ER)
- 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, Direct Burial, Low Acid Gas (AG14), Halogen-Free

**Conductor** Stranded Soft Copper, ASTM B8  
**Insulation** Cross-linked Polyethylene (XLPE)  
 CSA Type XL 90°C dry/wet 1000V,  
 Halogen-Free

### Bonding

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

### Jacket

Thermoplastic Flame Retardant LSZH Compound

### Colour Code

Black, White, Red & Blue or Black with  
 White 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).