



2 Conductor RW90 1000V CSA FT4 TC

| 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-PV4 | 8 | 10 | 0.045 | 1.1 | 0.060 | 1.5 | 0.597 | 15.2 | 260 | 387 | 303 | 138 | 7.2 | 182 | 55 |
| | 8210602BBG-PV4 | 6 | 8 | 0.060 | 1.5 | 0.060 | 1.5 | 0.734 | 18.6 | 378 | 562 | 419 | 191 | 8.8 | 224 | 75 |
| | 8210402BBG-PV4 | 4 | 8 | 0.060 | 1.5 | 0.080 | 2.0 | 0.886 | 22.5 | 538 | 801 | 668 | 303 | 10.6 | 270 | 95 |
| | 8210302BBG-PV4 | 3 | 6 | 0.060 | 1.5 | 0.080 | 2.0 | 0.944 | 24.0 | 647 | 963 | 842 | 383 | 11.3 | 288 | 115 |
| | 8210202BBG-PV4 | 2 | 6 | 0.060 | 1.5 | 0.080 | 2.0 | 1.006 | 25.6 | 751 | 1117 | 1063 | 483 | 12.1 | 307 | 130 |
| | 8210102BBG-PV4 | 1 | 6 | 0.080 | 2.0 | 0.080 | 2.0 | 1.132 | 28.8 | 934 | 1390 | 1340 | 609 | 13.6 | 345 | 145 |
| | 82101/002BBG-PV4 | 1/0 | 6 | 0.080 | 2.0 | 0.080 | 2.0 | 1.206 | 30.6 | 1109 | 1650 | 1687 | 767 | 14.5 | 367 | 170 |
| | 82102/002BBG-PV4 | 2/0 | 6 | 0.080 | 2.0 | 0.080 | 2.0 | 1.284 | 32.6 | 1297 | 1931 | 2130 | 968 | 15.4 | 391 | 195 |
| | 82103/002BBG-PV4 | 3/0 | 4 | 0.080 | 2.0 | 0.080 | 2.0 | 1.376 | 34.9 | 1605 | 2389 | 2686 | 1221 | 16.5 | 419 | 225 |
| | 82104/002BBG-PV4 | 4/0 | 4 | 0.080 | 2.0 | 0.080 | 2.0 | 1.508 | 38.3 | 1924 | 2863 | 3384 | 1538 | 18.1 | 460 | 260 |
| | 82125002BBG-PV4 | 250 | 4 | 0.090 | 2.3 | 0.110 | 2.8 | 1.720 | 43.7 | 2391 | 3558 | 4000 | 1818 | 20.6 | 524 | 290 |
| | 82130002BBG-PV4 | 300 | 4 | 0.090 | 2.3 | 0.110 | 2.8 | 1.828 | 46.4 | 2759 | 4107 | 4795 | 2180 | 21.9 | 557 | 320 |
| | 82135002BBG-PV4 | 350 | 3 | 0.090 | 2.3 | 0.110 | 2.8 | 1.954 | 49.6 | 3178 | 4729 | 5605 | 2548 | 23.4 | 596 | 350 |
| | 82140002BBG-PV4 | 400 | 3 | 0.090 | 2.3 | 0.110 | 2.8 | 2.004 | 50.9 | 3525 | 5246 | 6403 | 2910 | 24.0 | 611 | 380 |
| | 82150002BBG-PV4 | 500 | 2 | 0.090 | 2.3 | 0.110 | 2.8 | 2.192 | 55.7 | 4299 | 6398 | 7993 | 3633 | 26.3 | 668 | 430 |
| | 82160002BBG-PV4 | 600 | 2 | 0.090 | 2.3 | 0.110 | 2.8 | 2.274 | 57.8 | 4993 | 7430 | 9604 | 4366 | 27.3 | 693 | 475 |
| | 82175002BBG-PV4 | 750 | 2 | 0.090 | 2.3 | 0.110 | 2.8 | 2.644 | 67.2 | 6121 | 9110 | 12004 | 5456 | 31.7 | 806 | 535 |

Ampacity values based on CE Code Part I 2021, 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 (Standard TC rated. TC-ER Optional)
- CSA C22.2 No. 2556 FT4, IEEE 1202/UL 1685 Vertical-Tray Flame Test
- -40°C Cold Bend and -40°C Cold Impact
- SUN RES all colours

Conductor Stranded Bare Soft Copper, ASTM B8

Insulation Cross-linked Polyethylene Insulation (XLPE)
CSA Type XL 90°C dry/wet 1000V

Jacket Low Acid Gas Polyvinyl Chloride (PVC)

Colour Code Black and White or
Black with White printed number

Bonding Green Insulated Stranded Bare Soft Copper, ASTM B8

Applications

- For wet and dry locations.
- For use in raceways, including cable trays, Ventilated, non-ventilated, ladder tray and direct burial.
- To be used for exposed and concealed wiring or where subjected to the weather.
- For Hazardous Locations Class I-Zone 0 Intrinsically safe Div. 2, Class II-Zone 2 Div. 2 and Class III-Div. 2.
- Cables marked TC-ER tray cable are permitted to transition between cable trays, and utilization equipment or devices as per CE Code Part I 12-2202 2) and 3).

