

## RWU90 Single Conductor 90C, 1000V

*Applications* : For exposed wiring and use in raceways (except cable trays and ventilated flexible cableways) in dry and wet locations. For exposed wiring where subjected to the weather when marked sunlight resistant (i.e. SR). Only black coloured cables are sunlight resistant and marked SR; cables in other colours are NOT sunlight resistant. For direct earth burial with protection as required by inspection authority. For service entrance below ground. For concealed wiring used as non-heating leads on heating panels and panel sets. Suitable for direct burial, according to C22.1 Canadian Electrical Code Part I.

*Conductors* : 14 AWG to 2 AWG bare copper.

*Insulation* : Cross-linked Polyethylene (XLPE).

*Voltage Rating* : 1000V

*Flame Rating* : CSA C22.2 No. 2556 Burning particles

*Temperature Rating* : -40°C\* to 90°C

*Standards* : CSA C22.2 No. 38

| Gauge<br>AWG | Strand<br>Count | Nominal Insulation<br>Thickness |       | Nominal<br>Diameter |       | Nominal<br>Cable Weight |         | Ampacity<br>30°C Ambient |            |
|--------------|-----------------|---------------------------------|-------|---------------------|-------|-------------------------|---------|--------------------------|------------|
|              |                 | mm                              | in.   | mm                  | in.   | kgs/km                  | lbs/mft | Free Air                 | Conduit ** |
| 14           | 7               | 1.52                            | 0.060 | 4.90                | 0.193 | 34                      | 23      | 35                       | 25         |
| 12           | 7               | 1.52                            | 0.060 | 5.41                | 0.213 | 48                      | 32      | 40                       | 30         |
| 10           | 7               | 1.52                            | 0.060 | 6.02                | 0.237 | 69                      | 46      | 55                       | 40         |
| 8            | 7               | 2.03                            | 0.080 | 7.90                | 0.311 | 112                     | 75      | 80                       | 55         |
| 6            | 7               | 2.03                            | 0.080 | 8.84                | 0.348 | 164                     | 110     | 105                      | 75         |
| 4            | 7               | 2.03                            | 0.080 | 10.06               | 0.396 | 244                     | 164     | 140                      | 95         |
| 3            | 7               | 2.03                            | 0.080 | 10.82               | 0.426 | 323                     | 217     | 165                      | 115        |
| 2            | 7               | 2.03                            | 0.080 | 11.63               | 0.458 | 369                     | 248     | 190                      | 130        |

\* The -40°C low temperature rating indicates that the cables have passed a cold bend test under carefully controlled laboratory conditions. These conditions may or may not reflect actual field conditions. It is therefore recommended that all cables be warmed to at least -10°C before installation.

\*\* For not more than 3 conductors in cable or raceway. For more than 3 conductors the maximum current rating is subject to the derating factors in CEC Part I, Table 5C.

**Notes:** All dimensions are nominal and are subject to normal manufacturing tolerance. Specifications are subject to change without notice.