

# Aluminum RWU90 1000V

## -40°C XLP Insulation



### APPLICATION:

RWU90 cables are primarily used for power distribution, in raceways in accordance with Canadian Electrical Code, except that the cable is not rated for use in cable tray. RWU90 is approved for direct burial and for service entrance below ground. RWU90 cables may be used in wet or dry locations, with conductor temperatures not exceeding 90°C. Voltage rating for RWU90 cable is 1000V.

### CONDUCTORS:

- Compact bare 8000 series aluminum, Class B stranded per ASTM

### INSULATION:

- Abrasion, heat and moisture resistant -40°C cross-linked polyethylene insulation (XLP)

### STANDARDS:

- Requirements of the Canadian Electrical Code
- ASTM standards B 800, B 801
- CSA 22.2 No. 38
- Sunlight resistant
- Oil Resistant PRI/PRII
- Gas and Oil Res GRI/GRII

| Part Number       | Conductor Size | Conductor Stranding | Conductor Diameter |       | Insulation Thickness |      | Overall Diameter |      | Net Weight | Ampacity* at 30°C |
|-------------------|----------------|---------------------|--------------------|-------|----------------------|------|------------------|------|------------|-------------------|
|                   | AWG/kcmil      |                     | inches             | mm    | inches               | mm   | inches           | mm   | lbs/km     |                   |
| 8-01RWU90-ALUM    | 8              | 7                   | 0.134              | 3.40  | 0.080                | 2.03 | 0.29             | 7.4  | 125        | 45                |
| 6-01RWU90-ALUM    | 6              | 7                   | 0.169              | 4.29  | 0.080                | 2.03 | 0.33             | 8.4  | 171        | 55                |
| 4-01RWU90-ALUM    | 4              | 7                   | 0.213              | 5.41  | 0.080                | 2.03 | 0.37             | 9.4  | 236        | 75                |
| 3-01RWU90-ALUM    | 3              | 7                   | 0.240              | 6.10  | 0.080                | 2.03 | 0.40             | 10.2 | 285        | 85                |
| 2-01RWU90-ALUM    | 2              | 7                   | 0.268              | 6.81  | 0.080                | 2.03 | 0.43             | 10.9 | 337        | 100               |
| 1-01RWU90-ALUM    | 1              | 18                  | 0.299              | 7.59  | 0.095                | 2.41 | 0.49             | 12.5 | 429        | 115               |
| 1/0-01RWU90-ALUM  | 1/0            | 18                  | 0.335              | 8.51  | 0.095                | 2.41 | 0.53             | 13.5 | 515        | 135               |
| 2/0-01RWU90-ALUM  | 2/0            | 18                  | 0.378              | 9.60  | 0.095                | 2.41 | 0.57             | 14.5 | 623        | 150               |
| 3/0-01RWU90-ALUM  | 3/0            | 18                  | 0.423              | 10.74 | 0.095                | 2.41 | 0.62             | 15.8 | 751        | 175               |
| 4/0-01RWU90-ALUM  | 4/0            | 18                  | 0.476              | 12.09 | 0.095                | 2.41 | 0.67             | 17.0 | 902        | 205               |
| 250-01RWU90-ALUM  | 250            | 35                  | 0.520              | 13.21 | 0.110                | 2.79 | 0.74             | 18.8 | 1085       | 230               |
| 300-01RWU90-ALUM  | 300            | 37                  | 0.571              | 14.50 | 0.110                | 2.79 | 0.79             | 20.1 | 1286       | 260               |
| 350-01RWU90-ALUM  | 350            | 35                  | 0.614              | 15.60 | 0.110                | 2.79 | 0.84             | 21.3 | 1454       | 280               |
| 400-01RWU90-ALUM  | 400            | 37                  | 0.657              | 16.69 | 0.110                | 2.79 | 0.88             | 22.4 | 1646       | 305               |
| 500-01RWU90-ALUM  | 500            | 35                  | 0.736              | 18.69 | 0.110                | 2.79 | 0.96             | 24.4 | 1998       | 350               |
| 600-01RWU90-ALUM  | 600            | 58                  | 0.816              | 20.73 | 0.125                | 3.18 | 1.07             | 27.2 | 2408       | 385               |
| 750-01RWU90-ALUM  | 750            | 58                  | 0.909              | 23.09 | 0.125                | 3.18 | 1.16             | 29.5 | 2900       | 435               |
| 1000-01RWU90-ALUM | 1000           | 58                  | 1.059              | 26.90 | 0.125                | 3.18 | 1.31             | 33.3 | 3828       | 500               |

All values are nominal and subject to correction

\* Ampacities based on CEC Part 1, Table 4 for not more than three conductors in raceway. For underground installations, refer to CEC, Rule 4-004 for Ampacity rating.



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