



## SIMPull® RWU90 Copper 1000 Volt

Single Copper Conductors, XLPE Insulation, 1000V / -40°C MIN, 90°C MAX, Sunlight Resistant. SIMPull® technology on sizes #8 and larger. Cable can be installed in conduit without the aid of lubrication. For Direct Burial

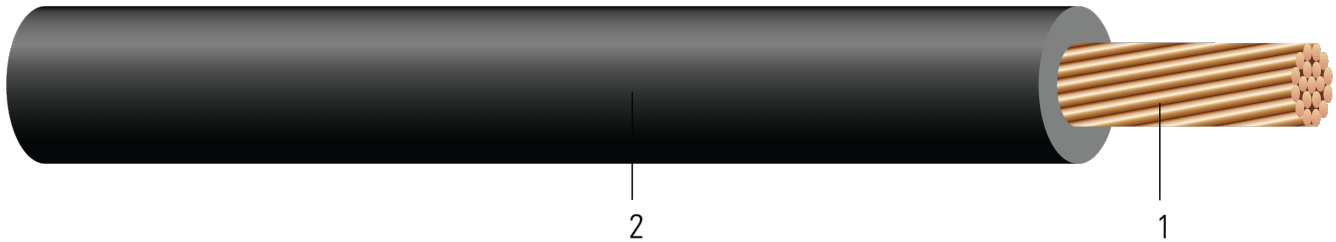


Image not to scale. See Table 1 for dimensions.

### CONSTRUCTION:

- Conductor:** Class B compressed stranded bare copper per ASTM B3 and ASTM B8
- Insulation:** Cross Linked Polyethylene (XLPE)

### APPLICATIONS AND FEATURES:

Southwire's RWU90 is designed for direct earth burial (with protection as required by the inspecting authority). For service entrance above or below ground. The minimum recommended installation temperature is minus 40°C (with suitable handling procedures). Maximum conductor temperature is 90°C. Note: Standard black is sunlight resistant and marked "SR". Standard coloured insulation is not sunlight resistant. SIMPull® technology on sizes #8 and larger. Cable can be installed in conduit without the aid of lubrication.

### SPECIFICATIONS:

- ASTM B3 Soft or Annealed Copper Wire
- ASTM B8 Concentric-Lay-Stranded Copper Conductors
- CSA C22.2 No. 38 Thermoset-insulated wires and cables
- CSA SUN RES - for Sunlight Resistant rating
- CSA AWM I A/B FT1

### SAMPLE PRINT LEGEND:

SOUTHWIRE{R} XX AWG {NOLUBE}{R} {SIMPULL} RWU90{TM} LL90458 {CSA} (33.6{MM2}) CU RWU90 XLPE 1000 VOLTS -40{D}C SR - PAT www.patentSW.com - RWU90 XXX AWG

**Table 1 – Weights and Measurements**

| Stock Number | Cond. Size    | Cond. Number | Strand | Insul. Thickness | Insulation Color | Approx. OD | Approx. Weight | Min Bending Radius | Max Pull Tension | DC Resistance @ 25°C | AC Resistance @ 75°C | Inductive Reactance @ 60Hz | Allowable Ampacity In Raceway 90°C† |
|--------------|---------------|--------------|--------|------------------|------------------|------------|----------------|--------------------|------------------|----------------------|----------------------|----------------------------|-------------------------------------|
|              | AWG/<br>Kcmil |              | No.    | mil              |                  | inch       | lb/<br>1000ft  | inch               | lb               | Ω/1000ft             | Ω/1000ft             | Ω/1000ft                   | Amp                                 |
| 557006◇      | 2             | 1            | 7      | 80               | WE               | 0.453      | 252            | 1.800              | 530              | 0.162                | 0.195                | 0.045                      | 130                                 |

All dimensions are nominal and subject to normal manufacturing tolerances

◇ Cable marked with this symbol is a standard stock item





\* Ampacities derived from the 2021 Canadian Electrical Code Table 1 for not more than three insulated copper conductors, rated not more than 5000 V and unshielded, in raceway or cable (based on an ambient temperature of 30 °C)

TBA stock codes are estimations only and actual product may vary. Please wait until a stock code is assigned to purchase connectors and/or fittings.

**Table 2 – Weights and Measurements (Metric)**

| Stock Number | Cond. Size | Cond. Number | Strand | Insul. Thickness | Insulation Color | Approx. OD | Approx. Weight | Min Bending Radius | Max Pull Tension | DC Resistance @ 25°C | AC Resistance @ 75°C | Inductive Reactance @ 60Hz | Allowable Ampacity In Raceway 90°C |
|--------------|------------|--------------|--------|------------------|------------------|------------|----------------|--------------------|------------------|----------------------|----------------------|----------------------------|------------------------------------|
|              | AWG/Kcmil  |              | No.    | mm               |                  | mm         | kg/km          | mm                 | newton           | Ω/km                 | Ω/km                 | Ω/km                       | Amp                                |
| 557006◇      | 2          | 1            | 7      | 2.03             | WE               | 11.51      | 375            | 45.72              | 2359             | 0.53                 | 0.64                 | 0.1476                     | 130                                |

All dimensions are nominal and subject to normal manufacturing tolerances

◇ Cable marked with this symbol is a standard stock item

\* Ampacities derived from the 2021 Canadian Electrical Code Table 1 for not more than three insulated copper conductors, rated not more than 5000 V and unshielded, in raceway or cable (based on an ambient temperature of 30 °C)

TBA stock codes are estimations only and actual product may vary. Please wait until a stock code is assigned to purchase connectors and/or fittings.

**Table 3 – Colors**

| Cond. Size   | Stranding | Color  |        |        |        |        |        |        |        |        |        |
|--------------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| AWG or kcmil | num       | Black  | Green  | White  | Red    | Blue   | Yellow | Orange | Purple | Brown  | Gray   |
| 14           | 7         | 556978 | 578364 | 563253 | 646740 | 647607 | 566577 |        |        |        |        |
| 12           | 7         | 556979 | 556980 | 556982 | 556981 | 556600 |        | 556601 | 556604 | 556602 | 556603 |
| 10           | 1 (solid) |        |        | 557932 |        |        |        |        |        |        |        |
| 10           | 7         | 556983 | 556598 | 556984 | 556986 | 556987 | 579338 |        |        |        |        |
| 8            | 7         | 556991 | 556991 | 556989 | 556990 | 556992 |        |        |        |        |        |
| 6            | 7         | 556994 | 556997 | 556995 | 556996 | 556998 | 643550 |        |        |        |        |
| 4            | 7         | 556999 | 557002 | 557000 | 557001 | 557003 |        |        |        |        |        |
| 3            | 7         | 557004 | 137969 | 641557 |        |        |        |        |        |        |        |
| 2            | 7         | 557005 | 571898 | 557006 | 557007 | 556596 |        |        |        |        |        |
| 1            | 19        | 137926 |        |        |        |        |        |        |        |        |        |
| 1/0          | 19        | 590651 | 664805 | 669505 | 666075 | 666074 |        |        |        |        |        |
| 2/0          | 19        | 590652 | 138905 | 668800 | 668801 | 668802 |        |        |        |        |        |
| 3/0          | 19        | 590653 |        | 593058 | 593059 | 593060 |        |        |        |        |        |
| 4/0          | 19        | 590654 | 583440 | 678382 | 668805 | 668806 |        |        |        |        |        |
| 250          | 37        | 590655 |        |        |        |        |        |        |        |        |        |
| 350          | 37        | 590656 |        | 590659 | 590658 | 590657 |        |        |        |        |        |
| 500          | 37        | 590660 |        | 590663 | 590662 | 590661 |        |        |        |        |        |
| 600          | 61        | 592347 |        | 592349 | 592348 | 592350 |        |        |        |        |        |
| 750          | 61        | 590664 |        |        |        |        |        |        |        |        |        |
| 1000         | 61        | 671492 |        |        |        |        |        |        |        |        |        |

