1/C CU 1000V RWU90 SIMpull®

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

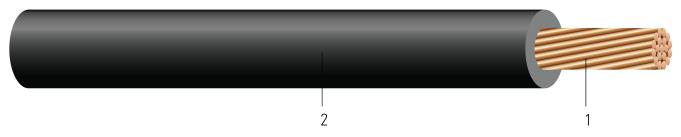


Image not to scale. See Table 1 for dimensions.

#### **CONSTRUCTION:**

- 1. Conductor: Class B compressed stranded bare copper per ASTM B3 and ASTM B8
- 2. **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. SIM 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® LL90458 {CSA} XXX AWG (XXX{mm2}) CU RWU90 XLPE 1000 VOLTS -40°C SR

## **Table 1 – Weights and Measurements**

Stock Number	Cond. Size	Strand	Insul. Thickness	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.	mil	inch	lb/1000ft	inch	lb	Ω/1000ft	Ω/1000ft	Ω/1000ft	Amp
556383	4/0	19	95	0.710	744	2.8	1692	0.051	0.062	0.041	260

All dimensions are nominal and subject to normal manufacturing tolerances

<sup>\*</sup> 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)



<sup>♦</sup> Cable marked with this symbol is a standard stock item



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

Stock Number	Cond. Size	Strand	Insul. Thickness	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
556383	4/0	19	2.41	18.03	1107	71.12	7529	0.17	0.20	0.1345	260

All dimensions are nominal and subject to normal manufacturing tolerances

## **Color Code**

Cond. Size (Strand)	Stock Number (Color)											
14 (7)	578364	563253	646740	647607	566577							
12 (7)	556980	556982	556981	556600	580822	556601	556602	556603	556604			
10 (7)	556598	556984	556986	556987	579338							
6 (7)	604517	604516	587595									
3 (7)	585016											
1/0 (19)		557008										
2/0 (19)	578090	557010										
3/0 (19)		557011										
4/0 (19)	583440	557012										



<sup>♦</sup> Cable marked with this symbol is a standard stock item

<sup>\*</sup> 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)