# RW90 Copper Circuit Sizes (14, 12 & 10 AWG)

Copper Conductor, 600V, 90°C MAX, -40°C MIN. All Sizes and Colors are Sunlight Resistant.

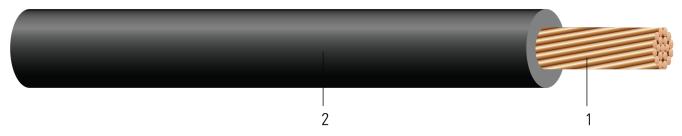


Image not to scale. See Table 1 for dimensions.

## **CONSTRUCTION:**

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

## **APPLICATIONS AND FEATURES:**

Single copper conductor with low temperature, moisture resisting XLPE (cross linked polyethylene) insulation. All sizes are Sunlight Resistant in all colors and packaging. This product meets the current RoHS requirements. No lead is added or used in manufacturing.

#### 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

# **SAMPLE PRINT LEGEND:**

SOUTHWIRE& LL90458 (CSA) 12 AWG CU RW90 XLPE 600 VOLTS (-40{D}C) SR

## **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/ Kcmil		No.	mil		inch	lb/ 1000ft	inch	lb	Ω/1000ft	Ω/1000ft	Ω/1000ft	Amp
956185◊	10	1	Solid	30	GN	0.165	37	0.700	83	1.040	1.253	0.050	40

All dimensions are nominal and subject to normal manufacturing tolerances

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

956185◊	10	1	Solid	0.76	GN	4.19	55	17.78	369	3.41	4.11	0.1640	40
000.000			00	0., 0	0.1		00	17.70	000	0		00.0	

All dimensions are nominal and subject to normal manufacturing tolerances

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



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

TAmpacities derived from the 2015 Canadian Electrical Code - Table 1 - For single conductor in free air and based on an ambient temperature of 30°C. - Table 2 - for Cable in Conduit. Not more than 3 aluminum conductors in a conduit and 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.



# Stock # 956185 | SPEC 22061

†Ampacities derived from the 2015 Canadian Electrical Code - Table 1 - For single conductor in free air and based on an ambient temperature of 30°C. - Table 2 - for Cable in Conduit. Not more than 3 aluminum conductors in a conduit and 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 - Stock Code Colors** 

Size (Strand)	Color	Stock Number			
14 (Solid)	BK	956110			
14 (Solid)	RD	956177			
14 (Solid)	WE	956144			
14 (Solid)	BN	956250			
14 (Solid)	YW	956276			
14 (Solid)	GN	956201			
14 (Solid)	BE	956235			
14 (Solid)	OE	557917			
14 (7)	GN	955617			
14 (7)	RD	955245			
14 (7)	BE	955666			
14 (7)	YW	955708			
14 (7)	BK	951731			
14 (7)	OE	557924			
14 (7)	BN	955682			
12 (Solid)	0E	557861			
12 (Solid)	BK	956102			
12 (Solid)	RD	956169			
12 (Solid)	BE	956227			
12 (Solid)	BN	956243			
12 (Solid)	YW	956268			
12 (Solid)	WE	956136			
12 (Solid)	GN	956193			
12 (7)	BK	951749			
12 (7)	GN	955609			
12 (7)	BE	955658			
12 (7)	BN	955674			
12 (7)	RD	955237			
12 (7)	OE OE	557923			
12 (7)	YW	955690			
10 (Solid)	RD	956151			
10 (Solid)	OE OE	557930			
10 (Solid)	BK	956094			
10 (Solid)	BN	557929			
10 (Solid)	WE	956128			
10 (Solid)	GN	956185			
10 (Solid)	BE	956219			
10 (Solid)	YW	557931			
10 (7)	BK	951756			
10 (7)	BE	955641			
10 (7)	OE OE	557921			
10 (7)	GN	955591			
10 (7)	BN	557920			
10 (7)	YW	557922			
10 (7)	RD	955229			

