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

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

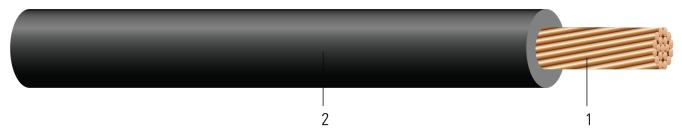


Image not to scale. See Table 1 for dimensions.

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
956276◊	14	1	Solid	30	YW	0.128	16	0.500	32	2.631	3.170	0.058	25

All dimensions are nominal and subject to normal manufacturing tolerances

Table 2 – Weights and Measurements (Metric)

956276◊	14	1	Solid	0.76	YW	3.25	24	12.70	142	8.63	10.40	0.1903	25

All dimensions are nominal and subject to normal manufacturing tolerances

[♦] Cable marked with this symbol is a standard stock item



[♦] 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.



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†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 OE	557924		
14 (7)	BN	955682		
12 (Solid)	OE OE	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		
	GN	955609		
12 (7)	BE			
12 (7)	BN	955658		
12 (7)		955674		
12 (7)	RD	955237		
12 (7)	OE	557923		
12 (7)	YW	955690		
10 (Solid)	RD	956151		
10 (Solid)	OE DV	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)	0E	557921		
10 (7)	GN	955591		
10 (7)	BN	557920		
10 (7)	YW	557922		
10 (7)	RD	955229		

