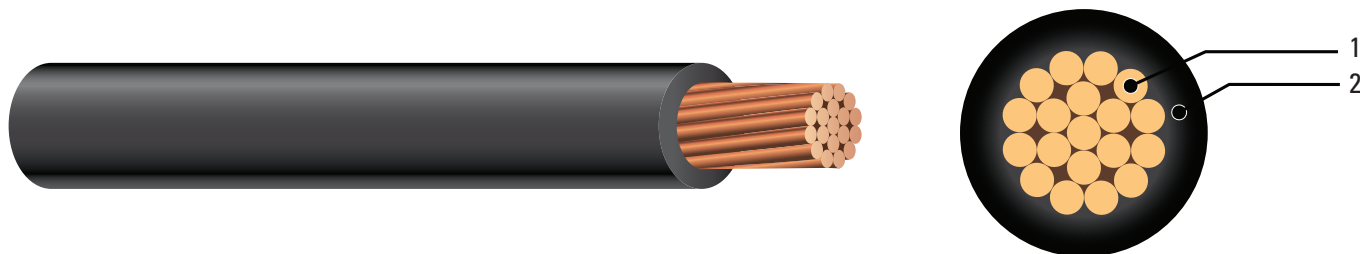


## RWU90 - COPPER

Single Copper Conductors, XLPE Insulation, 1000V / -40°C MIN, 90°C MAX, Sunlight Resistant - Black Only



### CONSTRUCTION:

Single copper conductor with extra thickness on the moisture resistant, low temperature, cross linked polyethylene insulation. Rated 1000 volts. Sunlight resistant in black only.

1. Copper Conductor
2. XLPE Insulation

### 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. Sequential marking on sizes 1/0 and larger.

### CONDUCTOR COLOURS:

- Standard colours are available in black, white, red, blue and green. Optional: Moisture blocked, compact stranded TRIPLE E AA-8000 (8176-H24) series aluminum alloy.

### SPECIFICATIONS:

Southwire's RWU90 cables meet or exceed the following requirements:

- CSA Standard C22.2 No. 38 File Listing: LL90458
- CSA - Rated SR for Sunlight Resistance in black only.
- Optional: CSA FT1 flame test rating
- Optional: CSA FT4 flame test rating and TC rating for 350 kcmil and larger
- Minimum order quantities may apply for optional features.

### SAMPLE PRINT LEGEND

SOUTHWIRE #P# LL90458 {CSA} 1/0 AWG (53.51 {mm<sup>2</sup>}) CU RWU90 XLPE 1000 VOLTS SR (-40{D}C) SEQUENTIAL METER MARKS SEQ METERS [black] [FT / TC options not shown]



## SPECIFICATIONS

Conductor		Insulation Thickness		Approximate Diameter		Approximate Weight		Allowable Ampacities (triplexed) Direct Buried (20°C ambient)	Allowable Ampacity (Amps) 30°C Ambient in Conduit †		
Size AWG or kcmil	# of Strands	inches	mm	inches	mm	lb /1000ft	kg /km		90°C	60°C	75°C
14*	7	0.060	1.52	0.193	4.9	23	34	25*	15	20*	25*
12*	7	0.060	1.52	0.212	5.4	32	48	30*	20	25*	30*
10*	7	0.060	1.52	0.236	6.0	46	68	40*	30	35*	40*
8	7	0.080	2.03	0.320	8.0	77	114	55	40	50	55
6	7	0.080	2.03	0.350	8.8	108	161	75	55	65	75
4	7	0.080	2.03	0.410	10.4	164	244	95	70	85	95
3	7	0.080	2.03	0.420	10.6	199	296	115	85	100	115
2	7	0.080	2.03	0.440	11.3	245	365	130	95	115	130
1	19	0.095	2.41	0.512	13.2	310	462	145	110	130	145
1/0	19	0.095	2.41	0.552	13.9	383	570	262**	125	150	170
2/0	19	0.095	2.41	0.595	15.0	474	705	298**	145	175	195
3/0	19	0.095	2.41	0.644	16.2	587	874	337**	165	200	225
4/0	19	0.095	2.41	0.700	17.6	730	1087	382**	195	230	260
250	37	0.110	2.79	0.778	19.8	866	1289	418**	215	255	290
350	37	0.110	2.79	0.881	22.4	1191	1772	500**	260	310	350
500	37	0.110	2.79	1.010	25.6	1673	2490	602**	320	380	430
600	61	0.125	3.17	1.116	28.4	2009	2989	658**	350	420	475
750	61	0.125	3.17	1.218	30.9	2488	3702	731**	400	475	535
1000	61	0.125	3.17	1.367	34.7	3283	4886	827**	455	545	615

All Ampacities derived from the 2015 Canadian Electrical Code / \* See Rule 14-104 in the 2015 Canadian Electrical Code / \*\* Derived from Table D10A in Appendix D of the CE Code as per Triplex cable formation as shown in Diagram D10, based on an ambient temperature of 20°C / † Derived from Table 2 of the CE Code for Cable in Conduit. Not more than 3 copper conductors in a raceway, based on an ambient temperature of 30°C