



BUILDING WIRE SPECIFICATIONS **SIMpull® RWU90**

- SINGLE COPPER CONDUCTORS
- XLPE INSULATION

APPLICATIONS

Southwire's SIMpull® 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.

SIMpull® RWU90 conductors feature SIM Technology jackets which reduces the coefficient of friction, allowing cables to be installed without external lubricants, resulting in reduced labour and materials costs.

CODES / STANDARDS

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

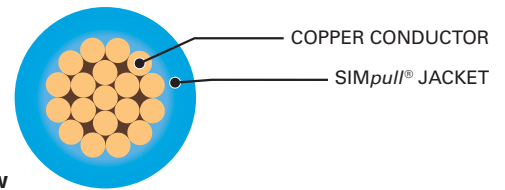
- CSA Standard C22.2 No. 38 File Listing: LL90458
- Optional: CSA FT1 flame test rating
- Optional: CSA FT4 flame test rating and TC rating for 1/0 AWG and larger (Minimum order quantities may apply for optional features.)

- 1000 VOLTS / -40°C MIN, 90°C MAX
- SUNLIGHT RESISTANT

SIMpull® RWU90 CONSTRUCTION

Single copper conductor with extra thickness on the moisture resistant, low temperature, cross linked polyethylene insulation. Rated at 1000 volts. SIMpull® conductors are SR rated for sunlight resistance in all standard colours.

Standard colours are available in black, white, red, blue and green.



SPECIFICATIONS - SIMpull® RWU90

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	Number of Strands	inches	mm	inches	mm	lb/1000ft	kg/km		90°C	60°C	75°C	90°C
14*	7	0.060	1.52	0.193	4.9	23	34	25*	20*	20*	25*	
12*	7	0.060	1.52	0.212	5.4	32	48	30*	25*	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	79	118	55	40	50	55	
6	7	0.080	2.03	0.350	8.8	111	165	75	55††	65	75	
4	7	0.080	2.03	0.410	10.4	166	247	95	70	85	95	
3	7	0.080	2.03	0.420	10.6	203	302	115	85	100	115	
2	7	0.080	2.03	0.440	11.3	249	371	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	243**	125	150	170	
2/0†	19	0.095	2.41	0.595	15.0	474	705	274**	145	175	195††	
3/0†	19	0.095	2.41	0.644	16.2	587	874	311**	165	200	225	
4/0†	19	0.095	2.41	0.700	17.6	730	1087	360**	195	230	260	
250†	37	0.110	2.79	0.778	19.8	870	1295	383**	215	255	290	
350†	37	0.110	2.79	0.881	22.4	1191	1772	470**	260	310	350	
500†	37	0.110	2.79	1.010	25.6	1673	2490	548**	320	380	430	
600†	61	0.125	3.17	1.116	28.4	2009	2989	600**	350	420	475	
750†	61	0.125	3.17	1.218	30.9	2488	3702	667**	400	475	535	
1000	61	0.125	3.17	1.367	34.7	3283	4886	758**	455	545	615	

All Ampacities derived from the 2012 Canadian Electrical Code / * See Rule 14-104 in the 2012 Canadian Electrical Code / ** Derived from Table D12A in Appendix D of the CE Code as per Triplex cable formation as shown in Diagram B4-3 in Appendix B - for Non-Continuous loads. 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 / †† For 3-wire 120V/240V and 120V/208V service conductors in single dwellings, see notes under CEC Table 2. Allowable ampacity shall not be greater than 60 amps for No. 6 AWG nor greater than 200 amps for No. 2/0 AWG / ‡ Contact sales representative for more information.