



## BUILDING WIRE SPECIFICATIONS

# SIMpull® RW90

- SINGLE COPPER CONDUCTORS
- XLPE INSULATION

### APPLICATIONS

Southwire's SIMpull® RW90 is designed for use in open wiring exposed to the weather such as direct sunlight, wet or dry locations. Can be installed in raceways (except cabletroughs and ventilated flexible cableways). Approved for use on ceiling fixtures.

The minimum recommended installation temperature is -40°C (with suitable handling procedures). Maximum conductor temperature is 90°C.

SIMpull® RW90 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® RW90 cables meet or exceed the following requirements:

- CSA Standard C22.2 No. 38 File Listing: LL90458
- CSA FT4 flame test rating on 350 kcmil and larger
- Sunlight resistant in all colours No. 8 AWG and larger
- Lead Free and RoHS compliant

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

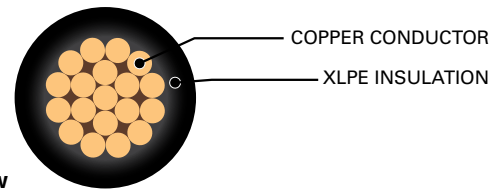
### SIMpull® RW90 CONSTRUCTION

Single copper conductor with low temperature, moisture resistant XLPE. Rated at 600 volts. No. 14, 12 and 10 AWG available in SIMpull® CoilPAKs or SIMpull WireBARRELS only. Standard sizes No. 8 AWG and larger are sunlight resistant and are marked "Sun Res" in all colours.

Standard colour is black. Select sizes may be available in white, red, blue, green, yellow, brown, orange or grey. Contact your Southwire sales representative for details on availability.



This product meets the current RoHS requirements and no lead is added or used in the manufacturing of this product.



## SPECIFICATIONS

Conductor		Insulation Thickness		Approximate Diameter		Approximate Weight		Allowable Ampacity Termination Equipment **			
Size AWG or kcmil	Number of Strands	inches	mm	inches	mm	lb/1000ft	kg/km	Open Air		Conduit	
								75°C	90°C	75°C	90°C
14*	7	0.030	0.76	0.131	3.33	17	25	30	35	20	25
12*	7	0.030	0.76	0.148	3.76	25	37	35	40	25	30
10*	7	0.030	0.76	0.173	4.39	38	57	50	55	35	40
8	7	0.045	1.14	0.235	5.97	63	94	70	80	50	55
6	7	0.045	1.14	0.271	6.88	96	143	95	105	65	75
4	7	0.045	1.14	0.318	8.08	147	219	125	140	85	95
3	7	0.045	1.14	0.345	8.76	183	272	145	165	100	115
2	7	0.045	1.14	0.376	9.55	228	339	170	190	115	130
1	19	0.055	1.40	0.435	11.05	288	429	195	220	130	145
1/0	19	0.055	1.40	0.475	12.07	359	534	230	260	150	170
2/0	19	0.055	1.40	0.518	13.16	447	665	265	300	175	195 <sup>†</sup>
3/0	19	0.055	1.40	0.567	14.40	558	830	310	350	200	225
4/0	19	0.055	1.40	0.623	15.82	698	1039	360	405	230	260
250	37	0.065	1.65	0.691	17.55	827	1231	405	455	255	290
300	37	0.065	1.65	0.744	18.90	986	1467	445	500	285	320
350	37	0.065	1.65	0.794	20.17	1145	1704	505	570	310	350
400	37	0.065	1.65	0.839	21.31	1303	1939	545	615	335	380
500	37	0.065	1.65	0.923	23.44	1621	2412	620	700	380	430
600	61	0.080	2.03	1.029	26.14	1950	2901	690	780	420	475
750	61	0.080	2.03	1.131	28.73	2424	3607	785	885	475	535
1000	61	0.080	2.03	1.280	35.51	3211	4778	935	1055	545	615

\*See Rule 14-104 in the 2012 Canadian Electrical Code / \*\*Ampacities derived from the 2012 Canadian Electrical Code, Table 1 - For Open Air, Table 2 - for Cable in Conduit. Not more than 3 aluminum conductors in a raceway. Based on an ambient temperature of 30 °C and equipment termination temperature ratings of 75 °C and 90 °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 200 amps