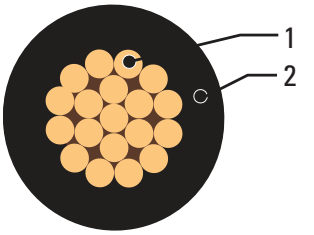
SIM*pull*® RW90 COPPER

Copper Conductor, 600V, 90°C MAX - 40°C MIN, No. 14 AWG to 1000 KCMIL, Sunlight Resistant, FT4 Flame Test Rating - (in all colours 350 KCMIL & larger)



CONSTRUCTION:

Single copper conductor with low temperature, moisture resisting XLPE (cross linked polyethylene) insulation. Standard sizes No. 8 AWG and larger are also sunlight resistant, marked "Sun Res". Rated FT4 in sizes 350 KCMIL and larger. This product meets the current RoHS requirements and no lead is added or used in manufacturing.

1. Copper Conductor
2. SIM*pull*® Insulation

CONDUCTOR COLOURS:

- Standard colours are available in black red, blue, white and green.
- Contact your Southwire rep for further availability details.

Note: No. 14, 12 and 10 AWG on spools are not SIM*pull*®

APPLICATIONS & FEATURES:

Southwire's SIM*pull*® Copper RW90 is for open wiring and use in raceways (except cabletroughs and ventilated flexible cableways) in dry or wet locations. For open wiring exposed to the weather. Minimum recommended installation temperature minus 40°C (with suitable handling procedures). Maximum conductor temperature 90°C.

SPECIFICATIONS:

Southwire's SIM*pull*® RW90 cables meet or exceed the following requirements:

- Single copper conductor
- CSA Spec. C22.2, No. 38
- CSA FT4 - Flame Test Rating - sizes 350 KCMIL and larger
- Sunlight Resistant#
- CSA File Listing: LL90458
- Lead Free and RoHS compliant

SAMPLE PRINT LEGEND

SOUTHWIRE{R} XXXX KCMIL NOLUBE{R} SIMpull RW90{TM} LL90458 {CSA} (XXXX.XX{mm2}) CU RW90 XLPE 600 VOLTS (-40{D}C) SR - MADE UNDER US PATENT NOS 7411129 & 7557301-RW90 500 KCMIL FT4 {MMM/DD/YYYY} - OPERATOR NAME SEQUENTIAL METER MARKS SEQ METERS* Sequential marking on sizes 1/0 and larger only.

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Southwire® CANADA

SPECIFICATIONS

Conductor		Insulation Thickness		Nominal O.D.		Approx. Weight		Allowable Ampacity** (Amps) Open Air		Allowable Ampacity** (Amps) Cable in Conduit	
Size (AWG or kcmil)	# of Strands	inches	mm	inches	mm	lbs/Mft	kg/km	Cond. Temp. 75°C	Cond. Temp. 90°C	Cond. Temp. 75°C	Cond. Temp. 90°C
14*	1	0.030	0.76	0.124	3.15	17	25	30	35	20	25
14*	7	0.030	0.76	0.131	3.33	17	25	30	35	20	25
12*	1	0.030	0.76	0.141	3.58	25	37	35	40	25	30
12*	7	0.030	0.76	0.148	3.76	25	37	35	40	25	30
10*	1	0.030	0.76	0.162	4.11	37	56	50	55	35	40
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
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	0.943	23.95	1621	2412	620	700	380	430
600	61	0.080	2.03	1.053	26.75	1950	2901	690	780	420	475
750	61	0.080	2.03	1.158	29.40	2424	3607	785	885	475	535
1000	61	0.080	2.03	1.312	33.32	3211	4778	935	1055	545	615

*See Rule 14-104 in the 2015 Canadian Electrical Code Part I
**Ampacities derived from the 2015 Canadian Electrical Code
- Table 1 - Fors ingle 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.
Note: Based on equipment termination temperature ratings of 75°C and 90°C