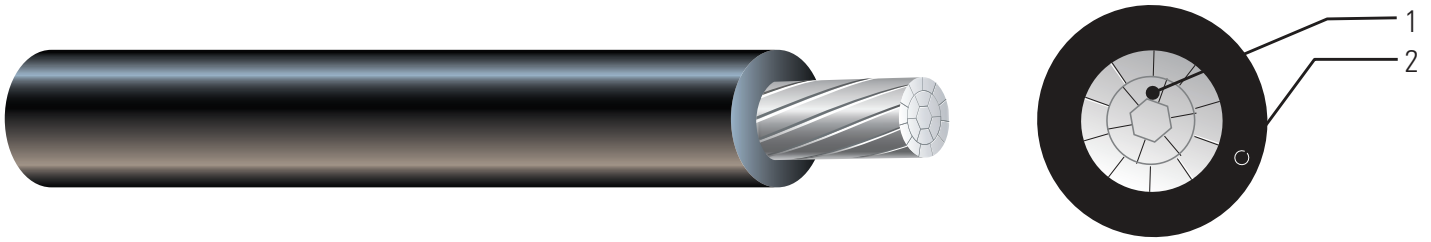


SIMpull® RW90 ALUMINUM

Single 8000 Series Aluminum Conductor, 600V Alumaflex Strand, No. 6 AWG to 1000 KCMIL, FT4 Flame Test Rating - (in all colours, sizes 350 KCMIL & larger), 90°C MAX -40°C MIN, Sunlight Resistant



CONSTRUCTION:

Southwire's SIMpull® aluminum conductor RW90 with 8000 Series aluminum, low temperature rating, moisture resisting XLPE (cross linked polyethylene) and sunlight resistant insulation is marked "Sun Res" or "SR". 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. Aluminum Conductor
2. SIMpull® Insulation

CONDUCTOR COLOURS:

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

APPLICATIONS & FEATURES:

Southwire's SIMpull® aluminum RW90 is for open wiring used 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 SIMpull® RW90 cables meet or exceed the following requirements:

- Single aluminum 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} XXX.XX {MM2} COMPACT AL. ---
ALUMAFLEX {TM} AA8176 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* SEQUENTIAL MARKING
ON SIZES 1/0 AND LARGER ONLY.



SPECIFICATIONS

Conductor		Insulation Thickness		Nominal O.D.		Approx. Weight		ALLOWABLE AMPACITY* (AMPS) 30°C AMBIENT - OPEN AIR			ALLOWABLE AMPACITY* (AMPS) 30°C AMBIENT - CABLE IN CONDUIT		
Size (AWG or kcmil)	# of Strands	inches	mm	inches	mm	lbs/Mft	kg/km	60°C	75°C	90°C	60°C	75°C	90°C
6	7	0.045	1.14	0.259	6.58	37	55	65	75	85	40	50	55
4	7	0.045	1.14	0.303	7.70	55	82	85	100	115	55	65	75
2	7	0.045	1.14	0.358	9.09	82	122	115	135	150	75	90	100
1	8	0.055	1.40	0.409	10.39	104	155	130	155	175	85	100	115
1/0	10	0.055	1.40	0.446	11.33	128	190	150	180	205	100	120	135
2/0	12	0.055	1.40	0.486	12.34	157	234	175	210	235	115	135	150
3/0	16	0.055	1.40	0.533	13.54	193	287	200	240	270	130	155	175
4/0	19	0.055	1.40	0.585	14.86	239	356	235	280	315	150	180	205
250	22	0.065	1.65	0.650	16.51	286	426	265	315	355	170	205	230
300	35	0.065	1.65	0.703	17.86	339	504	295	350	395	195	230	260
350	35	0.065	1.65	0.749	19.03	397	582	330	395	445	210	250	280
400	35	0.065	1.65	0.792	20.12	442	658	355	425	480	225	270	305
500	35	0.065	1.65	0.869	22.07	544	809	405	485	545	260	310	350
600	58	0.080	2.03	0.976	24.79	663	987	455	545	615	285	340	385
750	58	0.080	2.03	1.071	27.20	816	1214	520	620	700	320	385	435
1000	58	0.080	2.03	1.223	31.06	1070	1592	630	750	845	375	445	500

**Ampacities derived from the 2015 Canadian Electrical Code Part 1

- Table 3 - For single conductor in free air and based on an ambient temperature of 30 °C.

- Table 4 - 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 60 °C, 75 °C and 90 °C

