



SIMpull® RW90 Aluminum

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



Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

- Conductor:** Class B compact stranded 8000 Series aluminum per ASTM B800
- Insulation:** All phases are insulated with Cross Linked Polyethylene (XLPE)

APPLICATIONS AND 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:

- ASTM B800 8000 Series Aluminum Alloy Wire

SAMPLE PRINT LEGEND:

SOUTHWIRE SIMpull{TM} E51583 {UL} (XX AWG) XX.X{mm2} CU TYPE MTW OR THWN-2 OR THHN OR GASOLINE AND OIL RESISTANT II OR AWM 600 VOLTS VW-1 --- {CSA} T90 NYLON OR TWN75 600 VOLTS FT1 {NOM}-ANCE 90°C - (X AWG) ---RoHS PAT www.patentSW.com

Table 1 – Weights and Measurements

Stock Number	Cond. Size	Cond. Number	Strand	Insul. Thickness	Insulation Color	Approx. OD	Approx. Weight	Min Bending Radius	Max Pull Tension	DC Resistance @ 25°C	AC Resistance @ 75°C	Inductive Reactance @ 60Hz	Allowable Ampacity In Raceway 90°C†
	AWG/ Kcmil		No.	mil		inch	lb/ 1000ft	inch	lb	Ω/1000ft	Ω/1000ft	Ω/1000ft	Amp
561598◇	400	1	35	65	BK	0.797	452	3.100	2400	0.044	0.054	0.040	305

All dimensions are nominal and subject to normal manufacturing tolerances

◇ Cable marked with this symbol is a standard stock item

* Strand count meets minimum number per ASTM

TBA stock codes are estimations only and actual product may vary. Please wait until a stock code is assigned to purchase connectors and/or fittings.

Table 2 – Weights and Measurements (Metric)

561598◇	400	1	35	1.65	BK	20.24	673	78.74	10680	0.14	0.18	0.1312	305
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* Strand count meets minimum number per ASTM

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