SIMpull® RWU90 Copper 1000 Volt

Single Copper Conductors, XLPE Insulation, 1000V / -40ºC MIN, 90ºC MAX, Sunlight Resistant. SIMpull® technology on sizes #8 and larger. Cable can be installed in conduit without the aid of lubrication. For Direct Burial

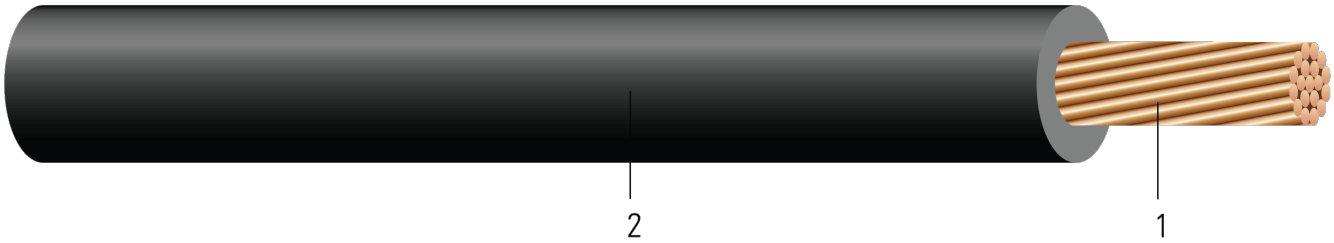

Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

1. **Conductor:** Class B compressed stranded bare copper per ASTM B3 and ASTM B8
2. **Insulation:** Cross Linked Polyethylene (XLPE)

APPLICATIONS AND FEATURES:

Southwire's 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. Note: Standard black is sunlight resistant and marked "SR". Standard coloured insulation is not sunlight resistant. SIMpull® technology on sizes #8 and larger. Cable can be installed in conduit without the aid of lubrication.

SPECIFICATIONS:

- ASTM B3 Soft or Annealed Copper Wire
- ASTM B8 Concentric-Lay-Stranded Copper Conductors
- CSA C22.2 No. 38 Thermoset-insulated wires and cables
- CSA SUN RES - for Sunlight Resistant rating
- CSA AWM I A/B FT1

SAMPLE PRINT LEGEND:

SOUTHWIRE{R} XX AWG {NOLUBE}{R} {SIMPULL} RWU90{TM} LL90458 {CSA} (33.6{MM2}) CU RWU90 XLPE 1000 VOLTS -40{D}C SR - PAT www.patentSW.com - RWU90 XXX AWG

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
590658◊	350	1	37	110	RD	0.873	1198	3.500	2800	0.031	0.039	0.040	350

All dimensions are nominal and subject to normal manufacturing tolerances
◊ Cable marked with this symbol is a standard stock item

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* Ampacities derived from the 2021 Canadian Electrical Code Table 1 for not more than three insulated copper conductors, rated not more than 5000 V and unshielded, in raceway or cable (based on an ambient temperature of 30 °C)
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)

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.	mm		mm	kg/km	mm	newton	Ω/km	Ω/km	Ω/km	Amp
590658◊	350	1	37	2.79	RD	22.17	1783	88.90	12460	0.10	0.13	0.1312	350

All dimensions are nominal and subject to normal manufacturing tolerances
◊ Cable marked with this symbol is a standard stock item
* Ampacities derived from the 2021 Canadian Electrical Code Table 1 for not more than three insulated copper conductors, rated not more than 5000 V and unshielded, in raceway or cable (based on an ambient temperature of 30 °C)
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.

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Stock Code Colors

Size (Strand)	Color	Stock Number
14 (7)	GN	578364
14 (7)	WE	563253
14 (7)	RD	646740
14 (7)	BE	647607
14 (7)	YW	566577
14 (7)	BK	556978
12 (7)	BK	556979
12 (7)	BE	556600
12 (7)	BN	556602
12 (7)	GN	556980
12 (7)	GY	556603
12 (7)	OE	556601
12 (7)	PE	556604
12 (7)	RD	556981
12 (7)	WE	556982
10 (Solid)	WE	557932
10 (7)	BK	556983
10 (7)	BE	556987
10 (7)	GN	556598
10 (7)	RD	556986
10 (7)	WE	556984
10 (7)	YW	579338
8 (7)	WE	556989
8 (7)	GN	556991
8 (7)	BK	556988
8 (7)	RD	556990
8 (7)	BE	556992
6 (7)	BK	616682
6 (7)	GN	604517
6 (7)	RD	587595
6 (7)	WE	604516
6 (7)	WE	556995
6 (7)	BK	556994
6 (7)	BE	556998
6 (7)	YW	643550
6 (7)	RD	556996
6 (7)	GN	556997
4 (7)	BE	557003
4 (7)	WE	557000
4 (7)	RD	557001
4 (7)	GN	557002
4 (7)	BK	556999
3 (7)	GN	137969
3 (7)	BK	557004
3 (7)	WE	641557

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Size (Strand)	Color	Stock Number
2 (7)	BK	606619
2 (7)	WE	557006
2 (7)	GN	571898
2 (7)	BK	557005
2 (7)	RD	557007
2 (7)	BE	556596
1 (19)	BK	556378
1 (19)	BK	137926
1/0 (19)	BK	556379
1/0 (19)	WE	557008
1/0 (19)	BE	666074
1/0 (19)	RD	666075
1/0 (19)	BK	590651
1/0 (19)	WE	669505
1/0 (19)	GN	664805
2/0 (19)	BK	556380
2/0 (19)	GN	578090
2/0 (19)	RD	668801
2/0 (19)	WE	668800
2/0 (19)	BK	590652
2/0 (19)	GN	138905
2/0 (19)	BE	668802
3/0 (19)	BK	556382
3/0 (19)	BE	593060
3/0 (19)	WE	593058
3/0 (19)	RD	593059
3/0 (19)	BK	590653
4/0 (19)	BK	556383
4/0 (19)	GN	583440
4/0 (19)	WE	557012
4/0 (19)	RD	668805
4/0 (19)	BE	668806
4/0 (19)	WE	678382
4/0 (19)	BK	590654
250 (37)	BK	578307
250 (37)	BK	590655
350 (37)	BK	575227
350 (37)	WE	590659
350 (37)	BK	590656
350 (37)	RD	590658
350 (37)	BE	590657
500 (37)	BK	577680
500 (37)	RD	590662
500 (37)	BK	590660
500 (37)	WE	590663
500 (37)	BE	590661
600 (61)	BK	577681

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Size (Strand)	Color	Stock Number
600 (61)	BK	592347
600 (61)	BE	592350
600 (61)	RD	592348
600 (61)	WE	592349
750 (61)	BK	577682
750 (61)	BK	590664
1000 (61)	BK	577683
1000 (61)	BK	671492

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