

RWU90 SINGLE COPPER CONDUCTOR

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APPLICATIONS Suitable for use as follows:

For direct earth burial (with protection as required by inspecting authority). For exposed wiring where exposed to weather with sunlight resistant insulation. Standard Black 8 AWG and larger is sunlight resistant and marked "SR"; Circuit sizes 14, 12 and 10 AWG available as sunlight resistant in black. Colored insulation is NOT sunlight resistant. For service entrance above or below ground. Minimum recommended installation temperature -40°C (with suitable handling procedures). Maximum conductor temperature +90°C.

STANDARDS & REFERENCES

- Single Copper Conductor
- CSA Spec. C22.2, No. 38-05
- File Listing: LL90458

CONSTRUCTION

- Single copper conductor with extra thickness of low temperature moisture resistant cross-linked polyethylene insulation. Rated 1000 Volts.

WEIGHTS, MEASUREMENTS AND PACKAGING

SIZE* (AWG or kcmil)	INSULATION THICKNESS		APPROXIMATE DIAMETER		APPROXIMATE NET CABLE WEIGHT		AMPACITY 30°C AMBIENT (AMPS)	
	mm	inches	mm	inches	kg/km	lbs/Mft	FREE AIR	CONDUIT**
14(1)	1.52	.060	4.7	.19	33	22	20	15
12(1)	1.52	.060	5.2	.20	46	31	25	20
10(1)	1.52	.060	5.7	.22	66	44	40	30
14(7)	1.52	.060	4.9	.19	34	23	20	15
12(7)	1.52	.060	5.4	.21	48	32	25	20
10(7)	1.52	.060	6.0	.24	69	46	40	30
8(7)	2.03	.080	7.8	.31	112	76	70	45
6(7)	2.03	.080	8.8	.35	164	110	100	65
4(7)	2.03	.080	10.0	.39	243	164	135	85
3(7)	2.03	.080	10.6	.42	298	201	155	105
2(7)	2.03	.080	11.4	.45	367	247	180	120
1(19)	2.41	.095	13.2	.52	466	313	210	140
1/0(19)	2.41	.095	13.9	.55	572	384	245	155
2/0(19)	2.41	.095	15.0	.59	715	480	285	185***
3/0(19)	2.41	.095	16.2	.64	878	590	330	210
4/0(19)	2.41	.095	17.6	.69	1089	732	385	235

Colors: Standard colors are available.

Direct buried installations must comply with C.E. Code Rules 12-012 and 4-004.

For 3-wire 120/240 and 120/208V residential services or sub-services, the allowable ampacity for sizes 6, 2 and 4/0 AWG aluminum shall be 60, 100, 200 amperes respectively. 2/0 AWG copper shall be 200 amperes.

In these cases, the 5% adjustment per C.E. Code Rules 8-106(1) cannot be applied.

*In compact ACM conductors (19) is 18 wire, (37) is 35 wire, and (61) is 58 wire strand.

**Based on not more than 3 copper conductors in raceway or cable.

14-4/0 AWG

1000 Volts

Temperature Rated
-40°C to +90°C



Southwire®
OEM Division