



APPLICATIONS

RWU90 is designed for direct earth burial (with protection as required by inspecting authority). Sizes #8 and larger are sunlight resistant and marked "SR". For service entrance above or below ground. Minimum recommended installation temperature minus 40°C (with suitable handling procedures). Maximum conductor temperature 90°C.

SPECIFICATIONS

- 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. Sunlight resistant in #8 and larger, black only. Colors available.

Size # (AWG or kcmil)	Strand	Insulation Thickness		Approximate Diameter		Approximate Net Cable Weight		Ampacity 30°C Ambient (amps)					
		mm	in	mm	in	kg/km	lbs/kft	Free Air			Conduit		
								60°C	75°C	90°C	60°C	75°C	90°C
14	1	1.52	.060	4.7	.19	33	22	20	20	20	15	15	15
12	1	1.52	.060	5.2	.20	46	31	25	25	25	20	20	20
10	1	1.52	.060	5.7	.22	66	44	40	40	40	30	30	30
14	7	1.52	.060	4.9	.19	34	23	20	20	20	15	15	15
12	7	1.52	.060	5.4	.21	48	32	25	25	25	20	20	20
10	7	1.52	.060	6.0	.24	69	46	40	40	40	30	30	30
8	7	2.03	.080	7.8	.31	112	76	55	65	70	40	45	45
6	7	2.03	.080	8.8	.35	164	110	80	95	100	55**	65	65
4	7	2.03	.080	10.0	.39	243	164	105	125	135	70	85	85
3	7	2.03	.080	10.6	.42	298	201	120	145	155	80	100	105
2	7	2.03	.080	11.4	.45	367	247	140	170	180	100	115	120
1	19	2.41	.095	13.2	.52	466	313	165	195	210	110	130	140
1/0	19	2.41	.095	13.9	.55	572	384	195	230	245	125	150	155
2/0	19	2.41	.095	15.0	.59	715	480	225	265	285	145	175	185**
3/0	19	2.41	.095	16.2	.64	878	590	260	310	330	165	200	210
4/0	19	2.41	.095	17.6	.69	1089	732	300	360	385	195	230	235
250	37	2.79	.110	19.8	.78	1306	878	340	405	425	215	255	265
350	37	2.79	.110	22.4	.88	1770	1190	420	505	530	260	310	325
500	37	2.79	.110	25.6	1.01	2489	1673	515	620	660	320	380	395
600	61	3.17	.125	28.4	1.12	2987	2008	575	690	740	355	420	455
750	61	3.17	.125	30.9	1.22	3742	2515	655	785	845	400	475	500

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 Rule 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.