

Copper RWU90

CONSTRUCTION AT A GLANCE

CONDUCTOR TYPE ①
COPPER

INSULATION TYPE ②
XLPE

APPLICATIONS

- Direct burial
- For service entrance above or below ground
- Up to 1kV

CONSTRUCTION DETAILS

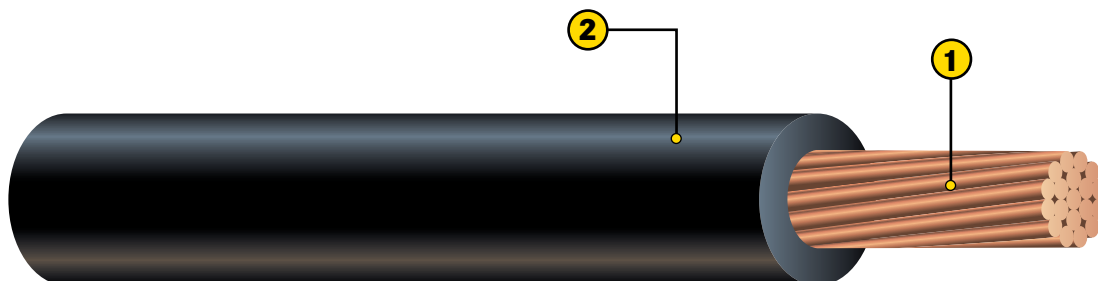
- Southwire RWU90 is manufactured using copper conductors with extra thickness of low temperature moisture resistant XLPE insulation
- -40°C to +90°C
- Sunlight resistant (8 AWG and larger); colored insulation is not sunlight resistant
- Direct burial

SPECIFICATIONS

- Single copper conductor
- CSA Spec. C22.2, No. 38-05
- File Listing: LL90458
- Not UL rated

OPTIONS

- Class C stranding



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
750	61	3.17	.125	30.98	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.

