

RWU90 1000V INSULATED WIRE ALUMINUM



Description Single Conductor with a low temperature, moisture resistant cross-linked polyethylene (XLPE) insulation. Single solid, Class B Compressed or Compact concentric strand, aluminum per ASTM. High Dielectric strength low temperature cross-linked polyethylene (XLPE) insulation, exhibiting an optimum balance of mechanical and electrical properties to assure extended cable life.

Temperature -40C to +90C

Jackets PVC for FT1 rating

Application 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 and larger is sunlight resistant and marked "Outdoor", coloured insulation is NOT for service entrance above or below ground.**

Product Code	AWG Size	Strands	Insulation Thickness		Approximate Diameter		Approx Net Cable Weight Aluminum Cond		Ampacity (30C Ambient)	
			mm	in	mm	in	kg/km	lbs/mft	Free Air	Conduit #
306900	6	7	2.03	0.080	8.8	0.35	80	54	80	55***
307000	4	7	2.03	0.080	10.0	0.39	110	74	105	65
307200	2	7	2.03	0.080	11.4	0.45	155	104	140	95***
307300	1	19	2.41	0.095	13.2	0.52	198	133	165	105
307340	1/0	19	2.41	0.095	14.2	0.56	238	160	190	120
307500	2/0	19	2.41	0.095	15.3	0.60	285	192	220	145
307600	3/0	19	2.41	0.095	16.6	0.65	345	232	255	165
307700	4/0	19	2.41	0.095	18.0	0.71	418	281	300	185***
307800	250	37	2.79	0.110	20.1	0.79	502	338	330	215
308000	350	37	2.79	0.110	22.7	0.89	667	449	415	260
308050	400	37	2.79	0.110	23.9	0.94	748	503	450	290
308100	500	37	2.79	0.110	26.0	1.02	909	610	515	330
308200	750	61	3.17	0.125	31.3	1.23	1330	894	670	405
308300	1000	61	3.17	0.125	35.1	1.38	1720	1156	800	480

Colours: Standard colours are available.

**Direct burial installations must comply with CE Code Rules 12-012 and 4-004.

***For 3-wire 120/140 and 120/208V residential services or sub-services, the allowable ampacity for sizes #6, #2 and #4/0 AWG aluminum shall be 60, 100 and 200 amperes respectively. In these cases, the 5% adjustment per C.E. Code Rule 8-106(1) cannot be applied.

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