Aluminum RW90 600V
XLPE Insulation



APPLICATION:

RW90 cables are primarily used in conduit or recognized raceways for services, feeders, and branch circuit wiring as specified in the National Electrical Code or the Canadian Electrical Code. RW90 cables may be used in wet or dry locations at temperatures not to exceed 90°C. Voltage rating for RW90 cable is 600 volts.

CONDUCTORS:

- AA-8000 series aluminum alloy, Class B compact stranding per ASTM

INSULATION:

- Abrasion, moisture, heat and flame-resistant cross-linked polyethylene (XLPE) in various colors

STANDARDS:

- cUL Listed
- CSA C22.1 Canadian Electrical Code
- ASTM standards B800, B801
- CSA 22.2 No. 38 Thermoset-Insulated Wires and Cables
- Sunlight resistant

Part Number	Conductor Size	Conductor Stranding	Conductor Diameter		Insulation Thickness		Overall Diameter		Net Weight	Ampacity* at 90°C
	AWG/kcmil		inches	mm	inches	mm	inches	mm	lbs/km	
8-01RW90-ALUM	8	7	0.134	3.40	0.045	1.14	0.23	5.8	98	45
6-01RW90-ALUM	6	7	0.169	4.29	0.045	1.14	0.26	6.7	138	55
4-01RW90-ALUM	4	7	0.213	5.41	0.045	1.14	0.31	7.8	190	75
2-01RW90-ALUM	2	7	0.268	6.81	0.045	1.14	0.36	9.2	282	100
1-01RW90-ALUM	1	7	0.299	7.59	0.055	1.40	0.41	10.5	361	115
1/0-01RW90-ALUM	1/0	18	0.336	8.53	0.055	1.40	0.45	11.4	440	135
2/0-01RW90-ALUM	2/0	18	0.376	9.55	0.055	1.40	0.49	12.4	535	150
3/0-01RW90-ALUM	3/0	18	0.423	10.74	0.055	1.40	0.54	13.6	656	175
4/0-01RW90-ALUM	4/0	18	0.475	12.07	0.055	1.40	0.59	14.9	810	205
250-01RW90-ALUM	250	35	0.520	13.21	0.065	1.65	0.65	16.6	971	230
300-01RW90-ALUM	300	35	0.570	14.48	0.065	1.65	0.70	17.9	1178	260
350-01RW90-ALUM	350	35	0.616	15.65	0.065	1.65	0.75	19.0	1315	280
400-01RW90-ALUM	400	35	0.659	16.74	0.065	1.65	0.79	20.1	1486	305
500-01RW90-ALUM	500	35	0.736	18.69	0.065	1.65	0.87	22.1	1824	350
600-01RW90-ALUM	600	58	0.813	20.65	0.080	2.03	0.98	24.9	2227	385
700-01RW90-ALUM	700	58	0.877	22.28	0.080	2.03	1.04	26.4	2565	425
750-01RW90-ALUM	750	58	0.908	23.06	0.080	2.03	1.07	27.2	2732	435
1000-01RW90-ALUM	1000	58	1.060	26.92	0.080	2.03	1.22	31.1	3575	500
1250-01RW90-ALUM**	1250	91	1.370	34.80	0.095	2.41	1.56	39.6	5277	585

All values are nominal and subject to correction
** Ampacities for not more than three conductors in raceway or cable or earth (directly buried), based on ambient temperature of 30°C per Table 4 of the Canadian Electrical Code (C22.1-18)*
*** Compressed Stranding*

CABLE MARKING: PRIORITY WIRE <AWG/kcmil (mm2)> XHHW-2 600V OR 1000V (UL) RW90 600V C(UL) E257578 AL AA-8000 <COMPACT STRAND> XLPE 90°C -40°C FT1 SUN RES <YEAR><AWG/kcmil (mm2)> <SEQ METER> <FACTORY ID>

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