

Aluminum RW90 600V XLP Insulation



APPLICATION:

RW90 cables are primarily use for power distribution. RW90 cables may be used in wet or dry locations, with conductor temperatures not exceeding 90°C. Voltage rating for RW90 cable is 600V.

CONDUCTORS:

- Compressed bare 8000 series aluminum, Class B stranded per ASTM

INSULATION:

- Abrasion, heat and moisture resistant cross-linked polyethylene insulation (XLP)

STANDARDS:

- cUL standard 44
- Requirements of the Canadian Electrical Code
- ASTM standards B 800, B 801
- CSA 22.2 No. 38
- 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	0.227	5.8	98	45
6-01RW90-ALUM	6	7	0.169	4.29	0.045	1.14	0.262	6.7	128	55
4-01RW90-ALUM	4	7	0.213	5.41	0.045	1.14	0.306	7.8	187	75
2-01RW90-ALUM	2	7	0.268	6.81	0.045	1.14	0.361	9.2	275	100
1-01RW90-ALUM	1	7	0.299	7.59	0.055	1.40	0.412	10.5	360	115
1/0-01RW90-ALUM	1/0	18	0.335	8.51	0.055	1.40	0.449	11.4	440	135
2/0-01RW90-ALUM	2/0	18	0.378	9.60	0.055	1.40	0.489	12.4	535	150
3/0-01RW90-ALUM	3/0	18	0.423	10.74	0.055	1.40	0.536	13.6	657	175
4/0-01RW90-ALUM	4/0	18	0.476	12.09	0.055	1.40	0.588	14.9	811	205
250-01RW90-ALUM	250	35	0.520	13.21	0.065	1.65	0.653	16.6	296	230
300-01RW90-ALUM	300	35	0.571	14.50	0.065	1.65	0.703	17.9	971	260
350-01RW90-ALUM	350	35	0.614	15.60	0.065	1.65	0.749	19.0	1316	280
400-01RW90-ALUM	400	35	0.657	16.69	0.065	1.65	0.792	20.1	1487	305
500-01RW90-ALUM	500	35	0.736	18.69	0.065	1.65	0.869	22.1	1824	350
600-01RW90-ALUM	600	58	0.816	20.73	0.080	2.03	0.979	24.9	2228	385
700-01RW90-ALUM	700	58	0.877	22.28	0.080	2.03	1.040	26.4	2566	425
750-01RW90-ALUM	750	58	0.909	23.09	0.080	2.03	1.071	27.2	2733	435
1000-01RW90-ALUM	1000	58	1.059	26.90	0.080	2.03	1.223	31.1	3576	500

All values are nominal and subject to correction

* Ampacities for not more than three conductors in raceway, based on ambient temperature of 30°C per Table 4 of the 2018 Canadian Electrical Code (C22.1).



1-877-611-5122
www.PriorityWire.ca



©2022 Priority Wire & Cable
10-2022