



Aluminum RW90 600V XLPE insulation

PWC Part Number	Size AWG	Stranding	Conductor Diameter (inches)	Insulation Thickness (inches)	Overall Diameter (inches)	Weight LBS/KM	Ampacity at 90C *
AL-RW90-8	8	7	0.134	.045	0.227	98	45
AL-RW90-6	6	7	0.169	.045	0.262	128	55
AL-RW90-4	4	7	0.213	.045	0.306	187	75
AL-RW90-2	2	7	0.268	.045	0.361	275	100
AL-RW90-1	1	7	0.299	0.55	0.412	360	115
AL-RW90-1/0	1/0	18	0.335	0.55	0.449	440	135
AL-RW90-2/0	2/0	18	0.378	0.55	0.489	535	150
AL-RW90-3/0	3/0	18	0.423	0.55	0.536	657	175
AL-RW90-4/0	4/0	18	0.476	0.55	0.588	811	205
AL-RW90-250	250	35	0.520	0.65	0.653	296	230
AL-RW90-300	300	35	0.571	0.65	0.703	971	260
AL-RW90-350	350	35	0.614	0.65	0.749	1316	280
AL-RW90-400	400	35	0.657	0.65	0.792	1487	305
AL-RW90-500	500	35	0.736	0.65	0.869	1824	350
AL-RW90-600	600	58	0.816	0.80	0.979	2228	385
AL-RW90-700	700	58	0.877	0.80	1.040	2566	425
AL-RW90-750	750	58	0.909	0.80	1.071	2733	435
AL-RW90-1000	1000	58	1.059	0.80	1.223	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)

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: RW90 conductor is a compressed bare 8000 series aluminum, with Class B stranding per ASTM

Insulation: RW90 has abrasion, heat and moisture resistant cross-linked polyethylene insulation XLPE

Standards: RW90 meets or exceeds the following standards
 CUL standard 44
 Requirements of the Canadian Electrical Code
 ASTM standards B 800, B 801
 CSA 22.2 No. 38
 Sunlight resistant

1-877-611-5122