

Copper RW90 600V -40°C XLP Insulation



APPLICATION:

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

CONDUCTORS:

- Stranded soft drawn bare copper, with Class B stranding per ASTM

INSULATION:

- Abrasion, heat and moisture resistant -40°C cross-linked polyethylene insulation (XLP)

STANDARDS:

- CSA C22.2 No. 38/UL 44, cUL listed
- Requirements of the Canadian Electrical Code
- ASTM B3, B8, B496
- Sunlight resistant

Part Number	Conductor Size	No. of Strands	Insulation Thickness		Overall Diameter		Net Weight	Ampacity* at 90°C
	AWG/kcmil		inches	mm	inches	mm	lbs/km	amps
14-01RW90-STRCU	14	7	0.030	0.76	0.133	3.38	60	15
12-01RW90-STRCU	12	7	0.030	0.76	0.158	4.01	89	20
10-01RW90-STRCU	10	7	0.030	0.76	0.180	4.57	132	30
8-01RW90-STRCU	8	7	0.045	1.14	0.240	6.10	217	55
6-01RW90-STRCU	6	7	0.045	1.14	0.280	7.11	312	75
4-01RW90-STRCU	4	7	0.045	1.14	0.328	8.33	476	95
3-01RW90-STRCU	3	7	0.045	1.14	0.355	9.02	607	110
2-01RW90-STRCU	2	7	0.045	1.14	0.380	9.65	739	130
1-01RW90-STRCU	1	7	0.055	1.40	0.434	11.02	952	145
1/0-01RW90-STRCU	1/0	19	0.055	1.40	0.473	12.01	1,185	170
2/0-01RW90-STRCU	2/0	19	0.055	1.40	0.517	13.13	1,477	195
3/0-01RW90-STRCU	3/0	19	0.055	1.40	0.567	14.40	1,841	225
4/0-01RW90-STRCU	4/0	19	0.055	1.40	0.623	15.82	2,356	260
250-01RW90-STRCU	250	37	0.065	1.65	0.705	17.91	2,779	290
300-01RW90-STRCU	300	37	0.065	1.65	0.760	19.30	3,301	320
350-01RW90-STRCU	350	37	0.065	1.65	0.811	20.60	3,836	350
400-01RW90-STRCU	400	37	0.065	1.65	0.858	21.79	4,361	380
500-01RW90-STRCU	500	37	0.065	1.65	0.943	23.95	5,401	430

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 2 of the 2018 Canadian Electrical Code



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