

RW90 600V INSULATED WIRE ALUMINUM

Description Single aluminum conductor with low temperature moisture resisting Exelene* cross-linked polyethylene insulation.
CSA Spec C22.2 No. 38-95

Temperature -40°C to +90°C

Jackets Standard colours are available.
Standard Black #6 and larger is sunlight resistant and marked "Outdoor"; coloured insulation is NOT.

Application For open wiring and raceways (except cable troughs and ventilated flexible cableway) in dry or wet locations.
For exposed wiring where exposed to weather with sunlight resistant insulation.
Approved for use with ceiling fixtures.



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 #
300900	6	7	1.14	.045	7	0.28	60	40	80	55**
301000	4	7	1.14	.045	8.2	0.32	86	58	105	65
301200	2	7	1.14	.045	9.7	0.38	128	86	140	95**
301300	1	19	1.4	.055	11.2	0.44	161	108	165	105
301400	1/0	19	1.4	.055	12.2	0.48	196	132	190	120
301500	2/0	19	1.4	.055	13.3	0.52	241	162	220	145
301600	3/0	19	1.4	.055	14.6	0.57	296	199	255	165
301700	4/0	19	1.4	.055	16	0.63	366	246	300	185.**
301800	250	37	1.65	.065	17.7	0.7	435	292	330	215
301900	300	37	1.65	.065	19.1	0.75	513	345	375	240
302000	350	37	1.65	.065	20.3	0.8	591	397	415	260
302100	400	37	1.65	.065	21.5	0.85	668	449	450	290
302200	500	37	1.65	.065	23.6	0.93	820	551	515	330
302300	600	61	2.03	0.08	26.4	1.04	999	671	585	370
302400	750	61	2.03	0.08	29	1.14	1226	824	670	405
302500	1000	61	2.03	0.08	32.8	1.3	1603	1077	800	480

Colours: Standard colours are available.

Non-jacketed RW-90 (XLPE) cables are not suitable for installation in vaults and switch rooms under the conditions of C.E. Code Part 1 Rule 12-2204. Suitable flame retardant jacketed cables are available on request.

**For 3-wire 120/240 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.