

## RW90 Single Conductor 90C, 600V

*Applications* : For exposed wiring and use in raceways (except cable trays and ventilated flexible cableways) in dry and wet locations. For exposed wiring where subjected to the weather when marked sunlight resistant (black only). Standard Black #8 and larger is sunlight resistant and marked "SR". Coloured insulation is NOT sunlight resistant. Approved for use in ceiling fixtures in accordance with C22.1 Canadian Electrical Code, Part I

*Conductors* : 14 AWG to 2 AWG bare copper.

*Insulation* : Cross-linked Polyethylene (XLPE).

*Voltage Rating* : 600V

*Temperature Rating* : -40°C\* to 90°C

*Flame Rating* : C22.2 No. 2556 Burning particles

*Standards* : CSA C22.2 No. 38, ASTM B3

Gauge AWG	Strand Count	Nominal Insulation Thickness		Nominal Diameter		Nominal Cable Weight		Ampacity 30°C Ambient	
		mm	in.	mm	in.	kgs/km	lbs/mft	Free Air	Conduit **
14	1	0.76	0.030	3.20	0.126	24	16	35	25
12	1	0.76	0.030	3.63	0.143	36	24	40	30
10	1	0.76	0.030	4.19	0.165	55	37	55	40
14	7	0.76	0.030	3.35	0.132	25	17	35	25
12	7	0.76	0.030	3.84	0.151	37	25	40	30
10	7	0.76	0.030	4.47	0.176	57	38	55	40
8	7	1.14	0.045	6.10	0.240	94	63	80	55
6	7	1.14	0.045	7.06	0.278	143	96	105	75
4	7	1.14	0.045	8.31	0.327	220	148	140	95
3	7	1.14	0.045	9.02	0.355	273	183	165	115
2	7	1.14	0.045	9.83	0.387	340	228	190	130

\* The -40°C low temperature rating indicates that the cables have passed a cold bend test under carefully controlled laboratory conditions. These conditions may or may not reflect actual field conditions. It is therefore recommended that all cables be warmed to at least -10°C before installation.

\*\* For not more than 3 conductors in cable or raceway. For more than 3 conductors the maximum current rating is subject to the derating factors in CEC Part 1, Table 5C

**Notes:** All dimensions are nominal and are subject to normal manufacturing tolerance. Specifications are subject to change without notice.