

Dual Marked RW90 SR and RPV90

RW90 600V, RPV90 600V Single Conductor 90C, "All Colours SR"

Applications :

RW90: 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, marked sunlight resistant "SR" in all colours. Approved for use in ceiling fixtures in accordance with C22.1 Canadian Electrical Code, Part I.

RPV90: Solar photovoltaic cable for use in interconnection wiring of grounded and ungrounded photovoltaic power systems, suitable for ac and dc systems, in dry and wet locations. For exposed wiring where subjected to the weather, marked sunlight resistant "SR". For use in raceways, except cable trays, in wet, damp, or dry locations in accordance with C22.1 Canadian Electrical Code, Part I.

Conductors : 14 AWG to 2 AWG bare copper; RPV90 not available in solid conductors.

Insulation : Cross-linked Polyethylene (XLPE).

Voltage Rating : RW90 600V, RPV90 600V

Temperature Rating : -40°C* to 90°C

Flame Rating : C22.2 No. 2556 Burning particles

Standards : CSA C22.2 No. 38, C22.2 No. 271, 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	5.97	0.235	93	62	80	55
6	7	1.14	0.045	6.91	0.272	141	95	105	75
4	7	1.14	0.045	8.13	0.320	218	146	140	95
3	7	1.14	0.045	8.81	0.347	270	181	165	115
2	7	1.14	0.045	9.60	0.378	336	226	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.

** Ampacity shown for not more than 3 conductors in free air, cable or raceway per CE Code 4-004 (1)(a) & (b) 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.