



# CSA RW90

## 90°C, 600 Volts

### Description

The RW90 wire consists of a single, soft-drawn copper conductor, surrounded by a low-temperature, moisture-resistant cross-linked polyethylene (XLPE) insulation. RW90 is acceptable for use in open wiring applications and raceways (except ventilated cable trays and ventilated flexible cable trays) in both dry and wet locations. The RW90 wire is available in either 600V or 1kv and boasts a temperature range of -40°C to 90°C. RW90 is also approved for usage in ceiling fixtures. While the standard black jacket its sunlight-resistant, RW90 wire in coloured insulations are not.

### Approvals

CSA RW90  
Flame Test FT-4

### Construction

Stranded or solid annealed bare copper conductor (aluminum available)  
Cross-Linked Polyethylene (XLPE) insulation

### Temperature Rating

-40°C to 90°C

### Voltage Rating

600 Volts (1000 V construction available)

### Application

The RW90 wire is a single conductor wire with standard sunlight resistant black XLP insulation, which also has low-temperature and moisture resistance. The RW90 building wire is approved for ceiling fixtures and is resistant to weathering.



### Value Added Services



Cutting



Stripping



Re-Spooling



Terminating



Twisting

### Color

Stock colors 0-9. Custom colors and striped combinations available upon request.

### Colour codes



Sycor Part No	Size AWG	Stranding	Nominal Insulation		Nominal O.D		Ampacity @ 90°C	Approx Weight	
			inches	mm	inches	mm		lbs/1000ft	kg/km
A2K1401B	14	Solid	0.03	0.762	0.13	3.302	25	17	25
A2K1407B	14	7	0.03	0.762	0.13	3.302	25	17	25
A2K1201B	12	Solid	0.03	0.762	0.14	3.556	30	25	37
A2K1207B	12	7	0.03	0.762	0.15	3.81	30	25	37
A2K1001B	10	Solid	0.03	0.762	0.17	4.318	40	37	55
A2K1007B	10	7	0.03	0.762	0.18	4.572	40	38	57
A2K0807B	8	7	0.045	1.143	0.24	6.096	55	63	94
A2K0607B	6	7	0.045	1.143	0.28	7.112	75	96	143
A2K0407B	4	7	0.045	1.143	0.32	8.128	95	147	219
A2K0307B	3	7	0.045	1.143	0.35	8.89	115	183	272
A2K0207B	2	7	0.045	1.143	0.38	9.652	130	228	339
A2K0119B	1	19	0.055	1.397	0.44	11.176	145	288	429
A2K1/019B	1/0	19	0.055	1.397	0.48	12.192	170	359	534
A2K2/019B	2/0	19	0.055	1.397	0.52	13.208	195	447	665
A2K3/019B	3/0	19	0.055	1.397	0.57	14.478	225	558	830
A2K4/019B	4/0	19	0.055	1.397	0.63	16.002	260	698	1039
A2K250M37B	250 MCM	37	0.065	1.651	0.7	17.78	290	827	1231
A2K300M37B	300 MCM	37	0.065	1.651	0.75	19.05	320	986	1467
A2K350M37B	350 MCM	37	0.065	1.651	0.8	20.32	350	1145	1704
A2K400M37B	400 MCM	37	0.065	1.651	0.85	21.59	380	1303	1939
A2K500M37B	500 MCM	37	0.065	1.651	0.93	23.622	430	1621	2412
A2K600M37B	600 MCM	61	0.08	2.032	0.8	20.32	475	1950	2902
A2K750M37B	750 MCM	61	0.08	2.032	0.85	21.59	535	2424	3608
A2K1000M37B	1000 MCM	61	0.08	2.032	0.93	23.622	615	3211	4779

Additional strandings and gauges available upon request. Please contact us to enquire.  
Replace suffix "B" with "A" for aluminum conductor.

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