



# 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	Gauge	Stranding	Insulation Thickness		Nominal O.D.	Weight lbs/kft	Ampacity (dry)
			mm	in	in		
A2K1401B	14	Solid	0.76	0.03	0.130	16	20
A2K1201B	12	Solid	0.76	0.03	0.140	24	25
A2K1001B	10	Solid	0.76	0.03	0.170	36	40
A2K1407B	14	7	0.76	0.03	0.130	17	20
A2K1207B	12	7	0.76	0.03	0.150	25	25
A2K1007B	10	7	0.76	0.03	0.180	38	40
A2K0807B	8	7	1.14	0.045	0.240	62	70
A2K0607B	6	7	1.14	0.045	0.280	95	100
A2K0407B	4	7	1.14	0.045	0.320	146	135
A2K0307B	3	7	1.14	0.045	0.350	181	155
A2K0207B	2	7	1.14	0.045	0.380	226	180
A2K0119B	1	19	1.14	0.055	0.440	285	210
A2K1/019B	1/0	19	1.14	0.055	0.480	355	245
A2K2/019B	2/0	19	1.14	0.055	0.520	443	285
A2K3/019B	3/0	19	1.14	0.055	0.570	553	330
A2K4/019B	4/0	19	1.14	0.055	0.630	691	385
A2K250M37B	250MCM	37	1.65	0.065	0.700	820	425
A2K300M37B	300MCM	37	1.65	0.065	0.750	977	480
A2K350M37B	350MCM	37	1.65	0.065	0.800	1136	530
A2K400M37B	400MCM	37	1.65	0.065	0.850	1293	575
A2K500M37B	500MCM	37	1.65	0.065	0.930	1604	660

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