

TR-64/AWM 1007 Single Conductor 90C, 600V

Applications : TR-64 - Electronic wire 90C, 600V peak, for internal wiring of equipment. AWM 1007¹, 80C, 300V, internal wiring of appliances, or where exposed to oil at a temperature not exceeding 60C. 600V peak for electronic use only.

Conductors : 22 AWG to 14 AWG tinned copper.

Insulation : Polyvinylchloride (PVC)

Voltage Rating : 600V

*Temperature Rating*² : -30°C to 90°C

Flame Rating : VW-1

Standards : CSA C22.2 No. 127, UL 758

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 ³
22	7	0.38	0.015	1.57	0.062	5	3	3	2
20	10	0.38	0.015	1.78	0.070	7	5	4	3
18	16	0.38	0.015	2.01	0.079	10	7	6	5
16	26	0.38	0.015	2.31	0.091	15	10	8	6
14	41	0.38	0.015	2.64	0.104	23	15	17	13

¹ AWM 1007 applies to AWG 22-16 AWG only.

² The -30°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.

³ 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.