

Copper T90 600V PVC/Nylon Insulation



APPLICATION:

T90 cables are primarily used for power distribution. They may be used in wet or dry locations, with conductor temperatures not exceeding 90°C for dry locations. Voltage rating for T90 cable is 600V.

CONDUCTORS:

- Stranded soft drawn bare copper, with Class B stranding per ASTM

INSULATION:

- Abrasion, heat and moisture resistant poly-vinyl chloride (PVC) insulation

STANDARDS:

- Requirements of the Canadian Electrical Code
- ASTM B3, B8, B496
- CSA C22.2 No. 75/UL 83, cUL listed T90, TWN75
- Sunlight resistant
- Oil & Gasoline resistant
- VW-1

Part Number	Conductor Size	No. of Strands	Insulation Thickness		Nylon Jacket Thickness		Overall Diameter		Net Weight	Ampacity* at 90°C
	AWG/kcmil		inches	mm	inches	mm	inches	mm	lbs/km	amps
14-01T90-STRCU	14	7	0.015	0.38	0.004	0.10	0.112	2.84	53	15
12-01T90-STRCU	12	7	0.015	0.38	0.004	0.10	0.131	3.33	79	20
10-01T90-STRCU	10	7	0.020	0.51	0.004	0.10	0.165	4.19	122	30
8-01T90-STRCU	8	7	0.030	0.76	0.005	0.13	0.218	5.54	210	55
6-01T90-STRCU	6	7	0.030	0.76	0.005	0.13	0.256	6.50	315	75
4-01T90-STRCU	4	7	0.040	1.02	0.006	0.15	0.325	8.26	509	95
3-01T90-STRCU	3	7	0.040	1.02	0.006	0.15	0.345	8.76	624	110
2-01T90-STRCU	2	7	0.040	1.02	0.006	0.15	0.388	9.86	771	130
1-01T90-STRCU	1	7	0.050	1.27	0.007	0.18	0.437	11.10	985	145
1/0-01T90-STRCU	1/0	19	0.050	1.27	0.007	0.18	0.477	12.12	1,214	170
2/0-01T90-STRCU	2/0	19	0.050	1.27	0.007	0.18	0.521	13.23	1,526	195
3/0-01T90-STRCU	3/0	19	0.050	1.27	0.007	0.18	0.571	14.50	1,871	225
4/0-01T90-STRCU	4/0	19	0.050	1.27	0.007	0.18	0.627	15.93	2,363	260
250-01T90-STRCU	250	37	0.060	1.52	0.008	0.20	0.711	18.06	2,789	290
300-01T90-STRCU	300	37	0.060	1.52	0.008	0.20	0.766	19.46	3,317	320
350-01T90-STRCU	350	37	0.060	1.52	0.008	0.20	0.817	20.75	3,845	350
400-01T90-STRCU	400	37	0.060	1.52	0.008	0.20	0.864	21.95	4,374	380
500-01T90-STRCU	500	37	0.060	1.52	0.008	0.20	0.949	24.10	5,423	430

All values are nominal and subject to correction.

*Ampacities for not more than three conductors in raceway, based on ambient temperature of 30°C per Table 2 of the 2018 Canadian Electrical Code



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