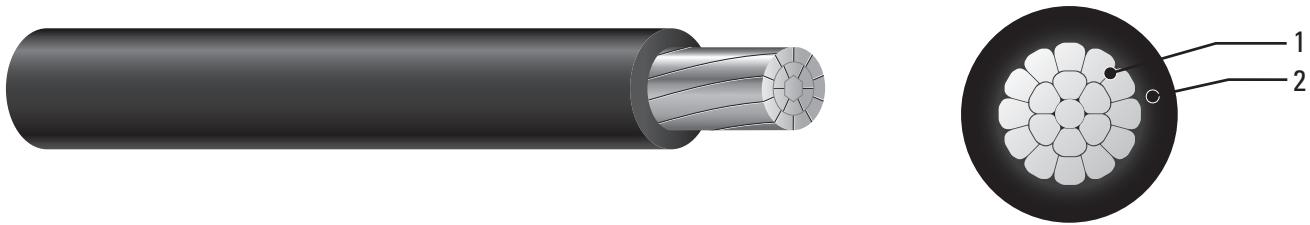


SIMpull® T90 ALUMINUM

Aluminum Conductor, 600V, PVC Insulation, All Sizes Rated TWN75



CONSTRUCTION:

Southwire's SIMpull® T90 Nylon cables are manufactured with AlumaFlex™ AA-8000 series compact stranded aluminum conductor and a tough, heat and moisture-resistant thermoplastic polyvinyl chloride (PVC) insulation. Over which a SIM Nylon (polyimide) or CSA listed equivalent jacket is applied. SIMpull® conductors are SR rated for sunlight resistance in all standard colours.³

1. Aluminum Conductor
2. SIMpull® Jacket

CONDUCTOR COLOURS:

- Available in black, white, red, blue, green, yellow, brown, orange and grey.⁴
- SIMpull® T90 conductors feature SIM Technology jackets which reduces the coefficient of friction, allowing cables to be installed without external lubricants, resulting in reduced labour and materials costs.

APPLICATIONS & FEATURES:

Southwire's SIMpull® T90 conductors are primarily intended for installation in conduit and cable tray services, feeders and branch circuits in commercial or industrial applications as specified in the Canadian Electrical Code Part I. The maximum voltage rating for all intended applications is 1000 volts.

Allowable temperatures are as follows:

- 90°C in dry locations ¹
- 75°C in wet or damp locations ²
- 60°C in locations exposed to oil ²

SPECIFICATIONS:

Southwire's SIMpull® T90 cables meet or exceed the following requirements:

- ASTM
- CSA C22.2 No. 75, LL90458
- 2015 Canadian Electrical Code Part I
- Optional: CSA FT1 flame test rating
- Optional: -40°C rating



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SPECIFICATIONS

Conductor		Insulation Thickness		Jacket Thickness		Approx. Diameter		Approx. Weight		Amapacity 30°C Ambient (Amps)			
										Damp & Dry (as Type T90)		Wet (as type TWN75)	
Size (AWG or kcmil)	# of Strands	inches	mm	inches	mm	inches	mm	lb/1000ft	kg/km	Free Air†	Conduit‡	Free Air†	Conduit‡
4	7	0.040	1.02	0.006	0.15	0.305	7.75	62	92	115	75	100	65
2	6	0.040	1.02	0.006	0.15	0.360	9.14	91	135	150	100	135	90
1	8	0.050	1.27	0.007	0.18	0.413	10.5	117	174	175	115	155	100
1/0	10	0.050	1.27	0.007	0.18	0.450	11.4	141	210	205	135	180	120
2/0	12	0.050	1.27	0.007	0.18	0.490	12.4	172	256	235	150	210	135
3/0	16	0.050	1.27	0.007	0.18	0.537	13.6	210	312	270	175	240	155
4/0	19	0.050	1.27	0.007	0.18	0.589	15.0	258	384	315	205	280	180
250	22	0.060	1.52	0.008	0.20	0.656	16.7	311	463	355	230	315	205
300	35	0.060	1.52	0.008	0.20	0.706	17.9	365	543	395	260	350	230
350	35	0.060	1.52	0.008	0.20	0.752	19.1	418	622	445	280	395	250
400	35	0.060	1.52	0.008	0.20	0.795	20.2	471	701	480	305	425	270
500	35	0.060	1.52	0.008	0.20	0.872	22.1	576	857	545	350	485	310
600	58	0.070	1.78	0.009	0.23	0.971	24.7	700	1042	615	385	545	340
700	58	0.070	1.78	0.009	0.23	1.035	26.3	804	1196	670	425	595	375
750	58	0.070	1.78	0.009	0.23	1.066	27.1	857	1275	700	435	620	385
900	58	0.070	1.78	0.009	0.23	1.157	29.4	1013	1507	790	480	700	425
1000	58	0.070	1.78	0.009	0.23	1.218	30.9	1118	1664	845	500	750	445

¹ When used as Type TWN75, ampacity limited to that for 75°C conductor temperature per NFPA79

² 60°C in wet, damp and locations exposed to oil when used as Type TWN75

³ With the exception of conductor sizes 2 AWG and larger which are listed and marked sunlight resistant in black only for UL applications

⁴ Some colours are subject to economic order quantity

Oil and gasoline resistant II as defined by the Canadian Standards Association

† Ampacities as per Table 3 in the 2015 Canadian Electrical Code Part I

‡ Ampacities as per Table 4 in the 2015 Canadian Electrical Code Part I - No more than 3 aluminum conductors in raceway.