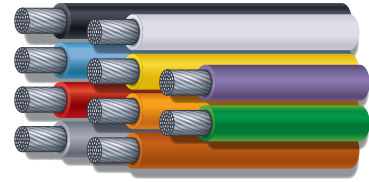


# Aluminum THHN/THWN-2/T90 600V PVC/Nylon Insulation



## APPLICATION:

THHN / THWN-2 / T90 building wire is intended for general purpose applications, and is permitted for use in new construction and rewiring of 600 volt applications. The cable's conductors may be used in wet or dry locations at temperatures not to exceed 90°C. The cable should be installed without the application of pulling lubricant.

## CONDUCTORS:

- Compact bare AA-8000 series aluminum, with Class B stranded per ASTM

## INSULATION:

- Low coefficient of friction ("slick"), abrasion, heat and moisture resistant Polyvinyl Chloride (PVC)

## JACKET:

- A clear abrasion, heat, moisture resistant and low coefficient of friction nylon jacket. Standard stock colors include: black, red, blue, white, brown, orange, yellow, gray, purple and green

## STANDARDS:

- UL 83, UL 1685, cUL
- CSA C22.2 No. 75
- 1/0 & larger are rated for CT use
- NEC & CEC
- NEMA WC-70 / ICEA S-95-658
- ASTM B800, B801, B836
- Federal Specification AA-59544
- VW-1/FT1 Flame Test
- Sunlight resistant / Gas and Oil Resistant II

Part Number	Conductor Size	Conductor Diameter	Insulation Thickness	Jacket Thickness	Overall Diameter	Net Weight	Ampacity**		
	AWG/KCM	inches	inches	inches	inches	lbs/kft	at 60°C	at 75°C	at 90°C
8-01AL-THHN	8	0.134	0.030	0.005	0.204	27	35	40	45
6-01AL-THHN	6	0.169	0.030	0.005	0.239	38	40	50	55
4-01AL-THHN	4	0.213	0.040	0.006	0.305	62	55	65	75
2-01AL-THHN	2	0.268	0.040	0.006	0.360	91	75	90	100
1-01AL-THHN	1	0.299	0.050	0.007	0.413	117	85	100	115
1/0-01AL-THHN	1/0	0.335	0.050	0.007	0.450	141	100	120	135
2/0-01AL-THHN	2/0	0.378	0.050	0.007	0.490	172	115	135	150
3/0-01AL-THHN	3/0	0.423	0.050	0.007	0.537	210	130	155	175
4/0-01AL-THHN	4/0	0.476	0.050	0.007	0.589	257	150	180	205
250-01AL-THHN	250	0.520	0.060	0.008	0.656	311	170	205	230
300-01AL-THHN	300	0.571	0.060	0.008	0.706	365	190	230	260
350-01AL-THHN	350	0.614	0.060	0.008	0.752	418	210	250	280
400-01AL-THHN	400	0.657	0.060	0.008	0.795	471	225	270	305
500-01AL-THHN	500	0.736	0.060	0.008	0.872	576	260	310	350
600-01AL-THHN	600	0.816	0.070	0.009	0.971	700	285	340	385
700-01AL-THHN	700	0.877	0.070	0.009	1.035	804	315	375	425
750-01AL-THHN	750	0.909	0.070	0.009	1.066	856	320	385	435
900-01AL-THHN	900	0.999	0.070	0.009	1.139	1013	355	425	480
1000-01AL-THHN	1000	1.059	0.070	0.009	1.218	1117	375	445	500

All values are nominal and subject to correction.

\*\*Ampacities shown are for general use as specified by the National Electrical Code 2017 Edition, Section 310.15 and 240.4(D). Unless the equipment is marked for use at higher temperatures, the conductor ampacities shall be limited to the following per NEC 110.14(C): 60°C - When terminated to equipment for circuits rated 100 amperes or less marked for 14 through 1 AWG conductors. 75°C - When terminated to equipment for circuits rated over 100 amperes or marked for conductors larger than 1 AWG. 90°C - THHN dry locations and THWN wet or dry locations for ampacity adjustment purposes using NEC section 310.15.



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