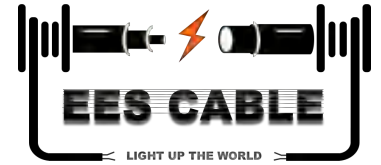


Aluminum THHN/THWN-2/T90 600V PVC/Nylon Insulation THHN-THWN-2



APPLICATION:

THHN / THWN-2 / T90 cables are primarily used for power distribution. The cables may be used in wet or dry locations, with conductor temperatures not exceeding 90°C. Voltage rating for cable is 600V.

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

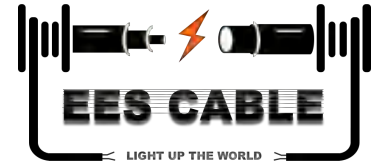
- A clear abrasion, heat, moisture resistant and low coefficient of friction nylon jacket. Standard stock colors include: black, red, blue, white, brown, orange, yellow, gray, purple and green

STANDARDS:

- UL 83, UL 1685, cUL
- CSA C22.2 No. 75
- 1/0 & larger are rated for CT use
- Requirements of the National Electrical Code
- NEMA WC-70 / ICEA S-95-658
- ASTM B800, B801, B836
- VW-1/FT1

PartNumber	Conductor Size	Conductor Diameter		Insulation Thickness		Jacket Thickness		Overall Diameter		Net Weight	Ampacity* * at 90°C
	AWG/KCM	inches	mm	inches	mm	inches	mm	inches	mm	lbs/ft	
8-01AL-THHN	8	0.134	3.40	0.030	0.76	0.005	0.13	0.204	5.18	27	45
6-01AL-THHN	6	0.169	4.29	0.030	0.76	0.005	0.13	0.239	6.07	38	60
4-01AL-THHN	4	0.213	5.41	0.040	1.02	0.006	0.15	0.305	7.75	62	75
2-01AL-THHN	2	0.268	6.81	0.040	1.02	0.006	0.15	0.360	9.14	91	100
1-01AL-THHN	1	0.299	7.59	0.050	1.27	0.007	0.18	0.413	10.49	117	115
1/0-01AL-THHN	1/0	0.335	8.51	0.050	1.27	0.007	0.18	0.450	11.43	141	135
2/0-01AL-THHN	2/0	0.378	9.60	0.050	1.27	0.007	0.18	0.490	12.45	172	150
3/0-01AL-THHN	3/0	0.423	10.74	0.050	1.27	0.007	0.18	0.537	13.64	210	175
4/0-01AL-THHN	4/0	0.476	12.09	0.050	1.27	0.007	0.18	0.589	14.96	257	205
250-01AL-THHN	250	0.520	13.21	0.060	1.52	0.008	0.20	0.656	16.66	311	230
300-01AL-THHN	300	0.571	14.50	0.060	1.52	0.008	0.20	0.706	17.93	365	255
350-01AL-THHN	350	0.614	15.60	0.060	1.52	0.008	0.20	0.752	19.10	418	280
400-01AL-THHN	400	0.657	16.69	0.060	1.52	0.008	0.20	0.795	20.19	471	305
500-01AL-THHN	500	0.736	18.69	0.060	1.52	0.008	0.20	0.872	22.15	576	350
600-01AL-THHN	600	0.816	20.73	0.070	1.78	0.009	0.23	0.971	24.66	700	385
700-01AL-THHN	700	0.877	22.28	0.070	1.78	0.009	0.23	1.035	26.29	804	420
750-01AL-THHN	750	0.909	23.09	0.070	1.78	0.009	0.23	1.066	27.08	856	435
900-01AL-THHN	900	0.999	25.37	0.070	1.78	0.009	0.23	1.139	28.93	1013	480
1000-01AL-THHN	1000	1.059	26.90	0.070	1.78	0.009	0.23	1.218	30.94	1117	500

COPPER THHN/THWN-2 THHN-THWN-2



Copper THHN/THWN-2



Part Number	Size (AWG/kcmil)	No. of Strands	Insulation Thickness (mils)	Nylon Thickness (mils)	Overall Diameter (inches)	Net Weight lbs./kft.	Ampacity* (amps)
14SOLTHHN	14	Solid	15	4	0.110	16	25
14THHN	14	19	15	4	0.120	16	25
12SOLTHHN	12	Solid	15	4	0.130	24	30
12THHN	12	19	15	4	0.140	25	30
10SOLTHHN	10	Solid	20	4	0.160	38	40
10THHN	10	19	20	4	0.170	39	40
8THHN	8	19	30	4	0.230	66	55
6THHN	6	19	30	5	0.250	98	75
4THHN	4	19	40	6	0.330	155	95
3THHN	3	19	40	6	0.360	190	115
2THHN	2	19	40	6	0.390	235	130
1THHN	1	19	50	7	0.450	300	145
1/0THHN	1/0	19	50	7	0.500	370	170
2/0THHN	2/0	19	50	7	0.540	460	195
3/0THHN	3/0	19	50	7	0.600	570	225
4/0THHN	4/0	19	50	7	0.660	710	260
250THHN	250	37	60	8	0.720	845	290
350THHN	350	37	60	8	0.830	1165	350
500THHN	500	37	60	8	0.960	1640	430
750THHN	750	61	70	9	1.170	2480	520
1000THHN	1000	61	70	9	1.320	3300	615

Application: Copper THHN/THWN-2 conductors are primarily used in conduit and cable trays, when approved, for services, feeders and branch circuits in commercial or industrial applications as specified in the National Electric Code. THHN applications are suitable for use in dry locations only at temperatures not to exceed 90°C. THHN-2 applications are suitable for use in either wet or dry applications, with temperatures that do not exceed 90°C.

Conductors: Either solid or stranded soft drawn copper, per ASTM Standards.

Insulation: Heat and moisture resistant colored polyvinyl chloride (PVC) insulation, with a clear nylon (polyamide) or UL-listed equal jacket, which provides abrasion resistance.

Standards: UL 83
UL VW-1
Size 1/0 & larger suitable for cable tray use
MTW per UL 1063
ASTM B1, B3, B8
Federal Spec A-A-59544