



DONGCHAO

LowFriction UL Type THHN / THWN-2, Aluminum Conductor, 90°C Dry or Wet, 75°C in Oil, Rated 600 V

APPLICATIONS

UL Type THHN / THWN-2 conductors are primarily used in conduit and cable trays for services, feeders, and branch circuits in commercial or industrial applications in accordance with the NEC. When used as UL Type THHN, the conductor is suitable for use in dry locations at temperatures not to exceed 90°C. When used as UL Type THWN-2, the conductor is suitable for use in dry or wet locations at temperatures not to exceed 90°C or 75°C when exposed to oil or coolant. The conductor is rated 600 V. Although this product may be installed without the application of pulling lubricant, a good quality pulling lubricant is recommended.

CONSTRUCTION

Conductor: Annealed compact stranded AA-8000 series Aluminum Conductor Material (ACM).

Insulation: Low coefficient of friction, abrasion, moisture, and heat resistant colored polyvinyl chloride (PVC).

Covering: Low coefficient of friction, abrasion, moisture, and heat resistant translucent Nylon polyamide.

CONDUCTOR IDENTIFICATION

Colored PVC

VOLTAGE RATING: 600 V

STANDARDS

These cables are manufactured and tested to meet or exceed the following standards.

- UL 83-Thermoplastic-insulated Wires and Cables

LISTINGS AND CERTIFICATIONS

UL listed as Type THHN/THWN-2-File E487847

Item Number	Conductor Size (AWG or kcmil)	Conductor Diameter (in)	Insulation Thickness (in)
A8-01THHN	8	0.134	0.030
A6-01THHN	6	0.169	0.030
A4-01THHN	4	0.213	0.040
A3-01THHN	3	0.238	0.040
A2-01THHN	2	0.268	0.040
A1-01THHN	1	0.299	0.050
A1/0-01THHN	1/0	0.336	0.050
A2/0-01THHN	2/0	0.376	0.050
A3/0-01THHN	3/0	0.423	0.050
A4/0-01THHN	4/0	0.475	0.050
A250-01THHN	250	0.520	0.060
A300-01THHN	300	0.570	0.060
A350-01THHN	350	0.616	0.060

Item Number	Conductor Size (AWG or kcmil)	Conductor Diameter (in)	Insulation Thickness (in)	Covering Thickness (in)
A400-01THHN	400	0.659	0.060	0.008
A500-01THHN	500	0.736	0.060	0.008
A600-01THHN	600	0.813	0.070	0.009
A700-01THHN	700	0.877	0.070	0.009
A750-01THHN	750	0.908	0.070	0.009
A900-01THHN	900	0.999	0.070	0.009
A1000-01THHN	1000	1.060	0.070	0.009



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