

STABILOY® Brand THHN/THWN-2 High Speed (HS)

PVC, Low-Voltage Power

600 V, UL Type THHN/THWN-2, Single Conductor, Aluminum

Product Construction:

Conductor:

- 6 AWG thru 2 AWG Class B compact stranded aluminum alloy (8000 Series) per ASTM B800 and ASTM B801
- 1 AWG thru 350 kcmil compact stranded SIW aluminum alloy (8000 Series) per ASTM B800, ASTM B801 and ASTM B836
- 400 kcmil thru 750 kcmil Class B compact stranded aluminum alloy (8000 Series) per ASTM B800 and ASTM B801

Insulation:

- Premium-grade flame-retardant, heat- and moisture-resistant Polyvinyl Chloride (PVC)

Jacket:

- Tough Polyamide (Nylon)

Print:

For 6 AWG thru 1 AWG, black:

- GENERAL CABLE® (PLANT OF MFG) (MM) (YYYY) HIGH SPEED THHN/THWN-2 (UL) SIZE AWG (MM²) LOGO COMPACT AL GRI AND GRII SUN RES 600 V VW-1 OR AWM SEQUENTIAL FEET

For 6 AWG thru 1 AWG, all colors:

- GENERAL CABLE® (PLANT OF MFG) (MM) (YYYY) HIGH SPEED THHN/THWN-2 (UL) SIZE AWG (MM²) LOGO COMPACT AL GRI AND GRII 600 V VW-1 OR AWM SEQUENTIAL FEET

For 1/0 AWG and larger, black:

- GENERAL CABLE® (PLANT OF MFG) (MM) (YYYY) HIGH SPEED THHN/THWN-2 (UL) SIZE AWG OR KCMIL (MM²) LOGO COMPACT AL GRI AND GRII SUN RES FOR CT USE 600 V VW-1 OR AWM SEQUENTIAL FEET

For 1/0 AWG and larger, all colors:

- GENERAL CABLE® (PLANT OF MFG) (MM) (YYYY) HIGH SPEED THHN/THWN-2 (UL) SIZE AWG OR KCMIL (MM²) LOGO COMPACT AL GRI AND GRII FOR CT USE 600 V VW-1 OR AWM SEQUENTIAL FEET

Options:

- Available in black and full color skin coat

Applications:

- General purpose building wire for services, feeders and branch circuits
- Conduit and raceways

Features:

- 1/0 AWG and larger are rated "FOR CT USE"
- Gas and Oil Res GRI/GRII
- Resistant to abrasion, acids, alkaline, ozone and water
- For THHN applications, the conductor is appropriate for use in dry locations not to exceed 90°C
- For THWN-2 applications, the conductor is appropriate for use in wet and dry locations not to exceed 90°C
- UV/sunlight-resistant (black only), moisture-resistant and flame-retardant insulation
- Excellent electrical, thermal and physical properties
- Sequential foot markings every 2 feet for easy measuring
- Meets cold bend and cold impact tests at -25°C
- STABILOY® Brand AA-8000 aluminum alloy conductors are lightweight and provide increased flexibility for easy installation
- High Speed (HS) cable features a specially designed system that allows for fast and easy cable pulls

Compliances:

Industry Compliances:

- UL 83 Type THHN/THWN-2, UL File #E66903
- ICEA S-95-658/NEMA WC70
- NEC® Article 310

Flame Test Compliances:

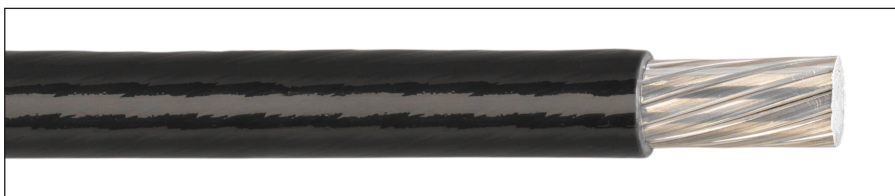
- UL 2556 VW-1 rated through 1 AWG
- UL 2556 CT USE 1/0 and larger

Other Compliances:

- RoHS Compliant

Packaging:

- Material cut to length and shipped on non-returnable wood reels



CATALOG NUMBER	COND. SIZE (AWG/kcmil)	NO. OF WIRES	MIN. AVG. INSULATION THICKNESS		JACKET THICKNESS		NOMINAL CABLE DIAMETER		ALUMINUM CONDUCTOR WEIGHT		NET WEIGHT		AMPACITY (1) 30°C AMBIENT	
			IN	mm	IN	mm	IN	mm	LBS/1000 FT	kg/km	LBS/1000 FT	kg/km	@75°C	@90°C
6 AWG - 750 kcmil CONDUCTORS														
21006	6	7	0.030	0.76	0.005	0.127	0.239	6.07	25	37	38	57	50	55
21004	4	7	0.040	1.02	0.006	0.152	0.305	7.75	39	58	61	91	65	75
21002	2	7	0.040	1.02	0.006	0.152	0.360	9.14	62	92	90	134	90	100
21001	1	8	0.050	1.27	0.007	0.178	0.412	10.46	79	118	118	176	100	115
21110	1/0	10	0.050	1.27	0.007	0.178	0.451	11.46	99	147	144	214	120	135
21210	2/0	12	0.050	1.27	0.007	0.178	0.488	12.40	125	186	175	260	135	150
21310	3/0	16	0.050	1.27	0.007	0.178	0.535	13.59	158	235	214	318	155	175
21410	4/0	19	0.050	1.27	0.007	0.178	0.584	14.83	199	296	262	390	180	205
21250	250	23	0.060	1.52	0.008	0.203	0.650	16.51	235	350	314	467	205	230
21300	300	22	0.060	1.52	0.008	0.203	0.702	17.83	282	420	370	551	230	260
21350	350	26	0.060	1.52	0.008	0.203	0.743	18.87	329	490	423	629	250	280
21400	400	37	0.060	1.52	0.008	0.203	0.795	20.19	376	560	469	698	270	305
21500	500	37	0.060	1.52	0.008	0.203	0.872	22.15	471	701	574	854	310	350
21600	600	61	0.070	1.78	0.009	0.229	0.971	24.66	565	841	696	1036	340	385
21750	750	61	0.070	1.78	0.009	0.229	1.066	27.08	706	1051	852	1268	385	435

Dimensions and weights are nominal; subject to industry tolerances.

(1) Ampacities per NEC® Table 310.15(B)(16). Adjustment and corrections may apply.

Dwelling - For dwelling units, conductors shall be permitted as listed ampacities at 120/240-volt, 3-wire, single-phase services and feeders.

COLOR CODE CHART

COLOR CODE	COLOR	COLOR CODE	COLOR
1	Black	7	Blue
2	White	8	Orange
3	Red	9	Gray
4	Green	A	Purple
5	Yellow	C	Tan
6	Brown		



Aluminum U.S. Market