



SIMPull THHN® Aluminum THHN Wire & Cable with Alumaflex® Brand Conductors

600 Volt Alumaflex® Brand Aluminum Alloy (AA-8176) Conductor. Thermoplastic Insulation/SIM Nylon Sheath. Heat, Moisture, Gasoline, Oil, and Sunlight Resistant. Also Rated THWN-2. SIMpull® Technology for Easier Pulling.



CONSTRUCTION:

Hi-Tech Controls SIMpull THHN® conductors are Alumaflex® Brand AA-8000 series aluminum alloy, compact stranded. Insulated with a tough heat and moisture-resistant polyvinyl chloride (PVC), over which a SIM nylon (polyamide) or UL-listed equal jacket is applied. Conductor sizes 1/0 AWG and larger are listed and marked sunlight resistant in colors. Available in black, white, red, blue, purple, green, yellow, orange, brown, and gray. Also available in striped configurations. Some colors are subject to economic order quantity.

APPLICATIONS

Hi-Tech Controls SIMpull THHN® Aluminum THHN Wire & Cable with Alumaflex® Brand conductors are primarily used in conduit and cable trays for services, feeders and branch circuits in commercial or industrial applications as specified in the 2011 National Electrical Code. When used as Type THHN or T90 Nylon conductor is suitable for use in dry locations at temperatures not to exceed 90°C. When used as Type THWN-2 or TWN75, conductor is suitable for use in wet or dry locations at temperatures not to exceed 90°C or not to exceed 75°C when exposed to oil or coolant. Voltage for all applications is 600 volts. This cable should be installed without application of pulling lubricant.

STANDARDS & REFERENCES

Hi-Tech Controls Aluminum SIMpull THHN® conductors comply with the following:

- ASTM B-800 and either B-801 or B836 (SIW)
- UL Standard 83
- CSA Standard C22.2 75
- Federal Specification A-A-59544
- VW-1 – Sizes 4 through 1 AWG
- CT - Sizes 1/0 AWG and larger Sizes Rated for CT use
- FT1 - Sizes 4 AWG through 750 kcmil
- T90 Nylon – Sizes 4 AWG through 750 kcmil
- TWN 75 – Sizes 8 AWG through 750 kcmil
- National Electrical Code, NFPA 70
- NEMA WC-70 Construction Requirements
- Gas & Oil Resistant II - All Sizes
- Sunlight Resistant – Sizes 6 AWG and larger
- RoHS/Reach Compliant



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Stock Number	Conductor		Insulation Thickness (mils)	Jacket Thickness (mils)	Nominal O.D. (mils)	Net Wt. Per 1000' (lbs.)	Allowable Ampacities+			Standard Package
	Size (AWG or kcmil)	No. of strands					60°C	75°C	90°C	
HTC-SPA-THHN-8	8	7	30	5	204	27	35	40	45	B
HTC-SPA-THHN-6	6	7	30	5	239	38	40	50	60	C
HTC-SPA-THHN-4	4	7	40	6	305	62	55	65	75	BCD
HTC-SPA-THHN-2	2	6	40	6	360	91	75	90	100	BC
HTC-SPA-THHN-1	1	8	50	7	413	117	85	100	115	BC
HTC-SPA-THHN-1/0	1/0	10	50	7	450	141	100	120	135	BCD
HTC-SPA-THHN-2/0	2/0	12	50	7	490	172	115	135	150	BCD
HTC-SPA-THHN-3/0	3/0	16	50	7	537	210	130	155	175	BCD
HTC-SPA-THHN-4/0	4/0	19	50	7	589	257	150	180	205	BCD
HTC-SPA-THHN-250	250	22	60	8	656	311	170	205	230	ABC
HTC-SPA-THHN-300	300	22	60	8	706	365	190	230	255	BC
HTC-SPA-THHN-350	350	35	60	8	752	418	210	250	280	BC
HTC-SPA-THHN-400	400	35	60	8	795	471	225	270	305	BC
HTC-SPA-THHN-500	500	35	60	8	872	576	260	310	350	BC
HTC-SPA-THHN-600	600	58	70	9	971	700	285	340	385	BC
HTC-SPA-THHN-700	700	58	70	9	1035	804	310	375	420	C
HTC-SPA-THHN-750	750	58	70	9	1066	856	320	385	435	ABC
HTC-SPA-THHN-900	900	58	70	9	1139	1013	355	425	480	N/A
HTC-SPA-THHN-1000	1000	58	70	9	1218	1117	375	445	500	N/A

GET A QUOTE TODAYEMAIL: Info@HiTechControls.com**Ph: 800-677-8942
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