

THHN/THWN-2 High Speed (HS)

PVC, Low-Voltage Power

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



Features:

- Low friction Nylon jacket provides easy pulling
- 1/0 AWG and larger are rated for cable tray use
- Rated Gasoline and Oil Resistant II
- Resistant to abrasion, acids, alkalines, ozone, and water
- For THHN/THWN-2 applications, the conductor is appropriate for wet or dry locations not to exceed 90°C
- Sequential foot markings every 2 feet for easy measuring
- Sunlight-resistant for 1/0 and larger, black only

Product Construction:

Conductor:

- 6 AWG thru 700 kcmil bare annealed stranded aluminum alloy (8000 Series) per ASTM B800, ASTM B801 and ASTM B836

Insulation:

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

Jacket:

- Tough Polyamide (Nylon)

Print:

For 6 AWG thru 1 AWG:

- GENERAL CABLE® MI (MM)/(YYYY) LOW FRICTION THHN/THWN-2 (UL) 4 AWG (21.2 mm² LOGO) COMPACT AL GRI AND GRII SUN RES 600 V VW-1 OR AWM MADE IN USA

For 1/0 and larger, black only:

- GENERAL CABLE® MI (MM)/(YYYY) LOW FRICTION THHN/THWN-2 (UL) 1/0 AWG (53.5 mm² LOGO) COMPACT AL GRI AND GRII SUN RES FOR CT USE 600 V OR AWM MADE IN USA

Compliances:

Industry Compliances:

- ASTM B800, B801 and B836
- UL Standard 83 – THHN/THWN-2
- ICEA S-95-658/NEMA WC70
- NEC® Article 310
- RoHS Compliant

Flame Test Compliances:

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

Applications:

- General purpose building wire for services, feeders and branch circuits
- Conduit and raceways
- 1/0 and larger for cable tray use

SIZE		NUMBER OF WIRES	INSULATION THICKNESS		JACKET THICKNESS		NOMINAL CABLE O.D.		ALUMINUM WEIGHT		NET WEIGHT		AMPACITY ⁽¹⁾ 90°C
AWG or kcmil	mm ²		INCHES	mm	INCHES	mm	INCHES	mm	LBS/1000 FT	kg/km	LBS/1000 FT	kg/km	

TYPE THHN/THWN-2 90°C WET OR DRY LOCATIONS

6	13.3	7	0.030	0.762	0.005	0.127	0.239	6.071	25	36	38	55	55
4	21.2	7	0.040	1.016	0.006	0.152	0.305	7.747	39	57	61	89	75
2	33.6	7	0.040	1.016	0.006	0.152	0.360	9.144	63	91	90	131	100
1	42.4	8	0.050	1.270	0.007	0.178	0.412	10.465	79	115	119	173	115
1/0	53.5	10	0.050	1.270	0.007	0.178	0.451	11.455	99	145	145	211	135
2/0	67.4	12	0.050	1.270	0.007	0.178	0.468	12.395	125	182	177	258	150
3/0	85	16	0.050	1.270	0.007	0.178	0.535	13.589	125	230	216	314	175
4/0	107	19	0.050	1.270	0.007	0.178	0.584	14.834	199	290	265	386	205
250	127	23	0.060	1.524	0.008	0.203	0.650	16.510	235	342	317	461	230
300	152	22	0.060	1.524	0.008	0.203	0.702	17.831	282	411	373	543	260
350	177	26	0.060	1.524	0.008	0.203	0.743	18.872	329	479	428	623	280
400	203	37	0.060	1.524	0.008	0.203	0.795	20.193	376	547	469	682	305
500	253	37	0.060	1.524	0.008	0.203	0.872	22.149	471	685	574	835	350
600	304	61	0.070	1.778	0.009	0.229	0.971	24.663	565	822	696	1013	385
750	380	61	0.070	1.778	0.009	0.229	1.066	27.076	70	102	852	1240	435

Dimensions and weights are nominal; subject to industry tolerances.

(1) Ampacities per 2014 NEC Table 310.15(B)(16).



Made in America



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