



THW

600 Volt Copper

Description:

Single copper conductor, stranded, insulated with moisture and flame retardant, sunlight resistant PVC. **Available in colors.**

Application:

Suitable for use in conduit or other recognized raceways for services, feeders and branch circuit wiring. Applications include general purpose grounding for power and distribution circuits in residential, industrial and commercial buildings.

Standards:

ASTM Standards:

- B-3 (soft or annealed)
- B-8 (concentric lay stranded)
- B787 (combination strand)

UL 83

C(UL)US TW75: CSA/UL Listed (#14-500)

ICEA S-95-658/NEMA WC-70

Federal Spec. A-A-59544

Flame Rated: VW-1/FT1

CT Use (1/0 AWG and larger)

Temperature Rated at 75°C Wet/Dry

Sunlight Resistant

Oil Resistant I

RoHS Compliant

Part Number	Size AWG or Kcmil	Strand (no.)	Insulation Thickness (mils)	Nominal Diameter Overall (inch)	Approx. Net Weight (lb/1000')	Ampacity* 75°C Wet/Dry
TH14SOLBK	14**	1	45	0.15	22	30†
TH12SOLBK	12**	1	45	0.17	31	35†
TH10SOLBK	10**	1	45	0.19	44	50†
TH8SOLBK	8	1	45	0.22	65	70
TH14BK	14	7	30	0.13	19	30†
TH12BK	12	7	30	0.15	28	35†
TH10BK	10	7	30	0.18	41	50†
TH8BK	8	7	45	0.23	68	70
TH6BK	6	7	60	0.30	111	95
TH4BK	4	7	60	0.35	166	125
TH3BK	3	7	60	0.37	204	145
TH2BK	2	7	60	0.40	251	170
TH1BK	1	19	80	0.48	324	195
TH1/0BK	1/0	19	80	0.52	402	230
TH2/0BK	2/0	19	80	0.56	493	265
TH3/0BK	3/0	19	80	0.61	610	310
TH4/0BK	4/0	19	80	0.67	758	360
TH250BK	250	37	95	0.76	896	405
TH300BK	300	37	95	0.82	1,062	445
TH350BK	350	37	95	0.87	1,226	505
TH400BK	400	37	95	0.91	1,389	545
TH500BK	500	37	95	0.99	1,713	620
TH600BK	600	61	110	1.11	2,067	690
TH750BK	750	61	110	1.21	2,548	785
TH1000BK	1,000	61	110	1.37	3,357	935

*Based on ambient temperature of 30°C per NEC Table 310-17. **Available with 30 mil Insulation.

†The overcurrent protection for items marked with an obelisk (†) shall not exceed 15 amps for #14 AWG, 20 amps for #12 AWG, and 30 amps for #10 AWG per NEC 310-17 footnote.

NOTE: The data shown is approximate and subject to standard industry tolerances.