



THW 600 Volt, Copper

Standards:

ASTM B3 & B8
 UL 83
 All sizes carry the VW-1 Flame test designation
 Federal Spec. A-A-59544
 CT-use 1/0 and larger
 Sunlight Resistant
 Oil Resistant I
 NEMA WC-5 / ICEA S-61-402
 C(UL)US: CSA/UL Listed (#14-500)
 RoHS Compliant

Application:

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

Description:

Single copper conductor, stranded, insulated with moisture and flame retardant, sunlight resistant polyvinyl chloride compound. Suitable for use in wet or dry locations where conductor temperatures do not exceed 75° C. Available in colors.

Part Number	Size AWG or MCM	Strand (No.)	Insulation Thickness (mils)	Nominal Diameter Overall (inch)	Approx. Net Weight (lbs/Mft)	Ampacity* 75° C Wet/Dry
THW14SOL	14**	1	45	.154	22	30†
THW12SOL	12**	1	45	.171	31	35†
THW10SOL	10**	1	45	.192	44	50†
THW8SOL	8	1	45	.219	65	70
THW14	14	7	30	.133	19	30†
THW12	12	7	30	.152	28	35†
THW10	10	7	30	.176	41	50†
THW8	8	7	45	.236	68	70
THW6	6	7	60	.304	109	95
THW4	4	7	60	.352	163	125
THW3	3	7	60	.380	199	145
THW2	2	7	60	.412	245	170
THW1	1	19	80	.481	320	195
THW1/0	1/0	19	80	.520	393	230
THW2/0	2/0	19	80	.564	485	265
THW3/0	3/0	19	80	.614	599	310
THW4/0	4/0	19	80	.670	743	360
THW250	250	37	95	.765	893	405
THW300	300	37	95	.819	1,057	445
THW350	350	37	95	.871	1,221	505
THW400	400	37	95	.918	1,384	545
THW500	500	37	95	1.003	1,708	620
THW600	600	61	110	1.113	2,062	690
THW750	750	61	110	1.218	2,547	785
THW1000	1,000	61	110	1.372	3,351	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.

2011