



## THW-2 600 Volt, Copper

### Standards:

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 Listed: #14-500 (CSA)

### 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 90° C. Available in colors.

Size AWG or MCM	Strand (No.)	Insulation Thickness (mils)	Nominal Diameter Overall (inch)	Approx. Net Weight (lbs/Mft)	Ampacity* 75° C Wet/Dry
14**	1	45	.154	18	35†
12**	1	45	.171	31	40†
10**	1	45	.192	44	55†
14	7	30	.14	19	35†
12	7	30	.16	28	40†
10	7	30	.18	41	55†
8	7	45	.24	68	80
6	7	60	.31	112	105
4	7	60	.36	167	140
3	7	60	.39	205	165
2	7	60	.42	252	190
1	19	80	.48	319	220
1/0	19	80	.52	392	260
2/0	19	80	.56	484	300
3/0	19	80	.61	599	350
4/0	19	80	.67	743	405
250	37	95	.77	899	455
300	37	95	.82	1068	505
350	37	95	.87	1233	570
400	37	95	.92	1396	615
500	37	95	1.01	1722	700
600	61	110	1.09	2030	780
750	61	110	1.23	2570	885
1000	61	110	1.38	3350	1055

\*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.

2006