

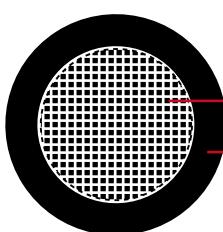


THW/THW-2

Applications:

The THW conductor is suitable for most current wiring solutions for residential, commercial and industrial environments. It is used in service entrance, feeders and branch circuits for permanent installations. THW conductors in sizes 14 AWG to 1000 Kcmil (MCM) can be installed in conduits and other raceways. The temperature of installation shall not exceed 75°C(THW), not exceed 90°C(THW-2).

Construction:



Bare copper conductor
PVC insulation



Conductor: Bare annealed copper conductor, solid or stranded

Insulation: PVC 75°C insulation

Color: upon request, black is preferable

Compliances:

- ▶ ASTM: B3, B8.
- ▶ UL 83 - Thermoplastic-Insulated Wires and Cables
- ▶ UL 1581 - Electrical Wires, Cables and Flexible Cords

Parameters:

AWG or kcmil	Strand	Nominal Insulation Thickness Inch/mm		Nominal Overall Diameter Inch/mm		Cable Weight Lbs/kft kg/km
14	1	0.030	0.76	0.169	4.3	22 33
12	1	0.030	0.76	0.189	4.8	32 47
10	1	0.030	0.76	0.213	5.4	46 68
8	1	0.045	1.14	0.240	6.1	67 100
6	1	0.060	1.52	0.276	7	101 151
14	7	0.030	0.76	0.177	4.5	24 36
12	7	0.030	0.76	0.201	5.1	34 50
10	7	0.030	0.76	0.228	5.8	49 73
8	7	0.045	1.14	0.291	7.4	79 118
6	7	0.060	1.52	0.335	8.5	117 174
4	7	0.060	1.52	0.386	9.8	172 256
2	7	0.080	2.03	0.445	11.3	263 391
1	19	0.080	2.03	0.531	13.5	339 505
1/0	19	0.080	2.03	0.575	14.6	418 622
2/0	19	0.080	2.03	0.622	15.8	515 767
3/0	19	0.080	2.03	0.677	17.2	638 950
4/0	37	0.080	2.03	0.740	18.8	792 1179
250	37	0.095	2.41	0.823	20.9	943 1404
300	37	0.095	2.41	0.882	22.4	1118 1664
350	37	0.095	2.41	0.937	23.8	1292 1923
400	37	0.095	2.41	0.984	25	1465 2180
500	61	0.095	2.41	1.079	27.4	1810 2694
600	61	0.110	2.79	1.197	30.4	2178 3241
700	61	0.110	2.79	1.272	32.3	2521 3751
750	61	0.110	2.79	1.307	33.2	2693 4007
800	61	0.110	2.79	1.343	34.1	2863 4260
900	61	0.110	2.79	1.409	35.8	3205 4769
1000	61	0.110	2.79	1.472	37.4	3538 5265