

THW 600V



Product Description

Annealed solid or stranded uncoated copper conductor insulated with PVC, providing an abrasion, flame retardant, moisture and oil resistant insulation. Conductor is surface printed.

Colors available upon request..

Application

General purpose wiring is for residential, commercial, and industrial lighting and power. Commonly used in conduit or other approved raceways, in wet or dry locations where conductor temperatures do not exceed 75° C. THW is rated 600 volts.

Product Data

Solid



Size(AWG)	Stranding	Insulation Thickness (mils.)	Nominal Diameter (inches)	Weight Per 1000 Ft. (lbs.)	Ampacity * 3 Cond. In Conduit	Ampacity * 1 Cond. In Free Air
14	SOLID	45	0.154	22	15	20
12	SOLID	45	0.171	30	20	25
10	SOLID	45	0.192	45	30	40

*Per NEC Table 310-16

Stranded



Size (AWG)	Stranding	Insulation Thickness (mils.)	Nominal Diameter (inches)	Weight Per 1000 Ft. (lbs.)	Ampacity * 3 Cond. In Conduit	Ampacity * 1 Cond. In Free Air
14	7	45	0.163	22	20	30
12	7	45	0.182	31	25	35
10	7	45	0.206	45	35	50
8	7	60	0.266	73	50	70
6	7	60	0.304	109	65	95
4	7	60	0.352	160	85	125
3	7	60	0.380	195	100	145
2	7	60	0.412	243	115	170
1	19	80	0.492	315	130	195
1/0	19	80	0.533	390	150	230
2/0	19	80	0.579	480	175	265
3/0	19	80	0.630	595	200	310
4/0	19	80	0.688	735	230	360
250	37	95	0.765	885	255	405
300	37	95	0.820	1045	285	445
350	37	95	0.871	1208	310	505
400	37	95	0.918	1370	335	545
500	37	95	1.003	1695	380	620
600	61	110	1.113	2040	420	690
700	61	110	1.184	2380	460	755
750	61	110	1.218	2525	475	785
1000	61	110	1.372	3320	545	935

*Per NEC Table 310-16

Specification Data

Underwriter Laboratories Standard 83 for Thermoplastic Insulated Wires

Federal Specification J-C-30

National Electric Code Article 310

ASTM B-3	Soft or annealed copper wire
ASTM B-8	Concentric lay stranded copper conductors