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THW



600 VOLT THERMOPLASTIC INSULATED COPPER

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.

APPLICATION

General purpose wiring 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.

SPECIFICATION

- Underwriters Laboratories Standard 83.
- Federal specification J-C-30.
- National Electric Code Article 310.
- ASTM B-3
- ASTM B-8

Size (AWG)	Stranding	Insulation Thickness (Mils)	Nominal Diameter (Inches)	Weight/1000' (Lbs.)	Ampacity*		Standard Package
					3 Cond. in Conduit	1 Cond. Free Air	
SOLID							
14	SOLID	45	.154	22	15	20	500' CTN 2500' SPL
12	SOLID	45	.171	30	20	25	500' CTN 2500' SPL
10	SOLID	45	.192	45	30	40	500' CTN 2500' SPL
14	07	45	.163	022	15	020	500' CTN 2500' SPL
12	7	45	.182	31	20	25	500' CTN 2500' SPL
10	7	45	.206	45	30	40	500' CTN 2500' SPL
8	7	60	.266	73	50	70	500' CTN 2500' SPL
6	7	60	.304	109	65	95	500' CTN 2500' SPL
4	7	60	.352	160	85	125	500' COIL 1000' RL
3	7	60	.380	195	100	145	500' COIL 1000' RL
2	7	60	.412	243	115	170	500' COIL 1000' RL
1	19	80	.492	315	195	130	1000' REEL
1/0	19	80	.533	390	230	150	1000' REEL
2/0	19	80	.579	480	265	175	1000' REEL
3/0	19	80	.630	595	310	200	1000' REEL
4/0	19	80	.688	735	360	230	1000' REEL
250	37	95	.765	885	405	255	1000' REEL
300	37	95	.820	1045	445	285	1000' REEL
350	37	95	.871	1208	505	310	1000' REEL

400	37	95	.918	1370	545	335	1000' REEL
500	37	95	1.003	1695	620	380	1000' REEL
600	61	110	1.113	2040	690	420	0500' REEL
700	61	110	1.184	2380	755	460	0500' REEL
750	61	110	1.218	2525	785	475	0500' REEL
1000	61	110	1.372	3320	935	454	0500' REEL
*Per NEC Table 310-16							

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