

THW COPPER CONDUCTOR

STANDARDS

Underwriters' Laboratories UL 83 • Federal Specification JC-30A • Oil Resistant II (UL) • NEMA WC 70/ICEA S-95-658

SIZE	NUMBER OF STRANDS	INSULATION THICKNESS IN MILS	APPROX. O. D. INCHES	AMPACITY**	APPROX. WEIGHT PER 1000 FT. IN POUNDS
14	1	45	.16	15	22
12	1	45	.18	20	31
10	1	45	.20	30	45
14	7	45	.17	15	24
12	7	45	.19	20	33
10	7	45	.21	30	48
8	7	60	.27	50	77
6	7	60	.31	65	112
4	7	60	.36	85	167
3	7	60	.39	100	202
2	7	60	.42	115	252
1	19	80	.49	130	324
1/0	19	80	.53	150	397
2/0	19	80	.58	175	491
3/0	19	80	.63	200	608
4/0	19	80	.69	230	753
250 MCM	37	95	.77	255	896
300 MCM	37	95	.82	285	1060
350 MCM	37	95	.87	310	1227
400 MCM	37	95	.95	335	1391
500 MCM	37	95	1.01	380	1715



**Not more than 3 conductors in raceway (30°C, 86°F Ambient) per NEC. Table 310-16.

For 3 wire single-phase residential services the allowable ampacity shall be for sizes #4-100 AMP, #3-110 AMP, #2-125 AMP, #1-150 AMP, #1/0-175 AMP, #2/0-200 AMP.

Stock colors and packaging information available upon request.

NOTE: 14 through 10 must meet minimum quantities. Call for details.

Lead Free - ROHS Compliant

APPLICATION NOTES

Type THW Building Wire is constructed with a heat, moisture and flame retardant polyvinyl chloride compound which is designed for general purpose wiring in residential, commercial and industrial installations. Type THW wires are designed to operate at conductor temperatures of 90°C for dry locations, 75°C for wet locations. The smaller diameter of these wires and cables makes them particularly suitable for rewiring of existing systems. Specifically recommended also for industrial installations where exceptional resistance to heat and corrosive atmospheres are needed, such as chemical plants, oil refineries, paper mills, etc.



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