

Single Conductor

Type THW-2 VW-1 600V

PRODUCT CONSTRUCTION

Conductor: Single copper conductor, stranded

Insulation: Resistant to sunlight, moisture, heat and flame

Jacket: Polyvinyl chloride compound. Temperature rating 90°C in wet and dry locations. All sizes pass the vertical flame test (VW-1). Colors available.

APPLICATIONS

Suitable for use in conduit or other recognized raceways for services, feeders and branch circuit wiring. Also suitable for general purpose grounding for power and distribution circuits in residential, industrial and commercial buildings.



COMPLIANCES

ASTM B3 (soft or annealed), ASTM B8 (concentric lay stranded), ASTM B33

UL 83

Federal spec A-A-59544, 90°C wet/dry

CT use 1/0 and larger

Oil resistant I

Sunlight resistant (black only)

NEMA WC70/ICEA S-95-658

RoHS compliant

COPPER WIRE AND CABLE PART #	SIZE (AWG OR MCM)	STRAND (NO.)	INSULATION THICKNESS (MILS)	NOMINAL DIAMETER (INCHES)	APPROX. NET WT. (LBS./1000 FT.)	AMPACITY 90°C WET/DRY
CWC 14-01THW-2	14	7	30	.133	19	35*
CWC 12-01THW-2	12	7	30	.152	28	40*
CWC 10-01THW-2	10	7	30	.176	41	55*
CWC 8-01THW-2	8	7	45	.236	68	80
CWC 6-01THW-2	6	7	60	.304	109	105
CWC 4-01THW-2	4	7	60	.352	163	140
CWC 3-01THW-2	3	7	60	.380	199	165
CWC 2-01THW-2	2	7	60	.412	245	190
CWC 1-01THW-2	1	19	80	.481	320	220
CWC 1/0-01THW-2	1/0	19	80	.520	393	260
CWC 2/0-01THW-2	2/0	19	80	.564	485	300
CWC 3/0-01THW-2	3/0	19	80	.614	599	350
CWC 4/0-01THW-2	4/0	19	80	.670	743	405
CWC 250-01THW-2	250	37	95	.765	893	455
CWC 300-01THW-2	300	37	95	.819	1057	505
CWC 350-01THW-2	350	37	95	.871	1221	570
CWC 400-01THW-2	400	37	95	.918	1384	615
CWC 500-01THW-2	500	37	95	1.003	1708	700
CWC 600-01THW-2	600	61	110	1.113	2062	780
CWC 750-01THW-2	750	61	110	1.218	2547	885
CWC 1000-01THW-2	1000	61	110	1.372	3351	1055

*Based on ambient temperature of 30°C Per NEC Table 310-17.

†Overcurrent protection 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.