

310.15(B)(16)		250.66		250.24(C)(1)	310.15(B)(7)	250.122	240.4(D)		310.15(B)(2)(b)			310.15(B)(3)(a)	
THHW THWN 75 C	THHW THHN USE-2 90 C	SE Conductors	Grounding Electrode Conductor	Grounded Conductor	120/240 Residential SE	Equipment Grounding Conductor	Small CU Conductors	OCP Ratings	Ambient Temp F	75 C Rating	90 C Rating	More than 3 wires in conduit	
85	95	4	8	4-8	100	14	14	15	51-59	1.31	1.11	wires	%
100	115	3	8	3-8	110	12	12	20	60-68	1.25	1.18	4-6	80
115	130	2	8	2-8	125	10	10	30	69-77	1.20	1.07	7-9	70
130	145	1	6	1-6	150	10	-	60	78-86	1.13	1.10	10-20	50
150	170	1/0	6	1/0-6	175	8	-	100	87-95	1.07	1.05	21-30	45
175	195	2/0	4	2/0-4	200	6	-	200	96-104	1	1	31-40	40
200	225	3/0	4	3/0-4	225	4	-	300	105-113	.93	.95	41 & up	35
255	290	250 kcmil	2	250k-2	300	3	-	400	114-122	.85	.89	-	-
310	350	350 kcmil	2	350k-2	350	2	-	500	123-131	.76	.84	-	-
335	380	400 kcmil	1/0	400k-1/0	400	1	-	600	132-140	.65	.77	-	-
380	430	500 kcmil	1/0	500k-1/0	-	1/0	-	800	141-149	.53	.71	-	-
420	475	600 kcmil	1/0	600k-1/0	-	2/0	-	1000	150-158	.38	.63	-	-
520	585	900 kcmil	2/0	900k-2/0	-	3/0	-	1200	159-167	-	.55	-	-
545	615	1000 kcmil	2/0	1000k-2/0	-	4/0	-	1600	168-176	-	.45	-	-
650	735	1750 kcmil	3/0	1750k-3/0	-	250 kcmil	-	2000	-	-	-	-	-

Based on the 2011 NEC - Read horizontal to compare loads to AWG sizes. All conductors listed are copper.

Tables 250.122 and section 240.4(D) use the OCP section of this card. Derating temperatures are for sizing conductors in Table 310.15(B)(16).