

Commercial and Industrial Wiring and Raceway Chart

Maximum Continuous Load (Amperes)	Maximum 240 volt Single-Phase VA Load	Maximum 208 volt Three-Phase VA Load	Wire Size* (Copper)	Protection Size	Raceway Size*	Ground Wire Size* Table 250-122
1 - 16	3,840	5,764	No. 12	20	1/2"	No. 12
17 - 20	4,800	7,200	No. 10	25	1/2"	No. 10
21 - 24	5,760	8,646	No. 10	30	1/2"	No. 10
25 - 28	6,720	10,097	No. 9	35	3/4"	No. 10
29 - 30	7,200	10,808	No. 8	40	3/4"	No. 10
31 - 36	8,640	12,969	No. 8	45	3/4"	No. 10
37 - 40	9,600	14,410	No. 8	50	3/4"	No. 10
41 - 48	11,520	17,292	No. 6	60	3/4"	No. 10
49 - 52	12,480	18,733	No. 6	70	3/4"	No. 8
53 - 56	13,440	20,174	No. 4	70	1"	No. 8
57 - 64	15,360	23,056	No. 4	80	1"	No. 8
65 - 72	17,280	25,938	No. 4	90	1"	No. 8
73 - 80	19,200	28,820	No. 3	100	1 1/4"	No. 8
81 - 88	21,120	31,703	No. 2	110	1 1/4"	No. 6
89 - 92	22,080	33,144	No. 2	125	1 1/4"	No. 6
93 - 100	24,000	36,026	No. 1	125	1 1/4"	No. 6
101 - 120	28,800	43,231	No. 1/0	150	1 1/2"	No. 6
121 - 140	33,600	50,436	No. 2/0	175	1 1/2"	No. 6
141 - 160	38,400	57,641	No. 3/0	200	2"	No. 6
161 - 180	43,200	64,846	No. 4/0	225	2"	No. 4
181 - 184	44,160	66,287	No. 4/0	250	2"	No. 4
185 - 204	48,960	73,492	250,000	250	2 1/2"	No. 4
205 - 218	52,320	78,535	2 - No. 1/0*	300	2 1/2"	No. 4
219 - 240	57,600	86,461	2 - No. 2/0*	300	2 1/2"	No. 4
241 - 250	60,000	90,064	2 - No. 2/0*	350	2 1/2"	No. 3
251 - 280	67,200	100,872	2 - No. 3/0*	350	2 1/2"	No. 3
281 - 288	69,120	103,754	2 - No. 3/0*	400	2 1/2"	No. 3
289 - 320	76,800	115,292	2 - No. 4/0*	400	3"	No. 3

- Notes:
- 1) Conductor size is based on equipment having 75°C terminal rating, 110-146).
 - 2) Raceway size is based on three-phase circuits using THHN conductors with ground wire, BMT for 1/2" through 1", and GRC for others.
 - 3) Ground wire is not required in metal raceway.
 - 4) For loads over 204 amperes, parallel two conductors per phase, in one raceway.