

NUAL® Brand Conductor Ampacities Maximum Allowable Number of Conductors of One Size in Conduit

NUAL® Brand RW90 600V					MAXIMUM ALLOWABLE NUMBER OF CONDUCTORS IN CONDUIT†										
AWG or KCMIL	75° C AMPACITIES		90° C AMPACITIES		NOMINAL DIAMETER OF CONDUIT										
	Table 3	Table 4	Table 3	Table 4	1/2" (16mm)	3/4" (21mm)	1" (27mm)	1¼" (35mm)	1½" (41mm)	2" (53mm)	2½" (63mm)	3" (78mm)	3½" (91mm)	4" (103mm)	
8	55	40	60	45	2	5	8	14	19	32	46	72	96	124	
6	75	50	85	55**	1	3	6	11	14	24	35	54	72	93	
4	100	65	115	75	1	2	4	8	11	18	25	39	53	68	
2	135	90	150	100	1	1	3	5	7	12	18	28	38	49	
1	155	100	175	115	1	1	1	4	5	9	14	21	28	37	
1/0	180	120	205	135		1	1	3	4	8	11	18	24	31	
2/0	210	135	235	150		1	1	3	4	6	9	15	20	26	
3/0	240	155	270	175		1	1	2	3	5	8	12	17	22	
4/0	280	180	315	205		1	1	1	2	4	6	10	14	18	
250	315	205	355	230			1	1	1	3	5	8	11	14	
300	350	230	395	260			1	1	1	3	4	7	10	12	
350	395	250	445	280			1	1	1	2	4	6	8	11	
400	425	270	480	305				1	1	2	3	5	7	10	
500	485	310	545	350				1	1	1	3	4	6	8	
600	545	340	615	385				1	1	1	1	3	5	6	
750	620	385	700	435					1	1	1	3	4	5	
1000	750	445	845	500						1	1	1	3	4	
1500	950	520	1070	585							1	1	1	1	

**For 3-wire 120/240V and 120/208V service conductors for single dwellings, or for feeder conductors supplying single dwelling units or apartment and similar buildings, and sized in accordance with Rules 8-200(1), 8-200(2), and 8-202(1), the allowable ampacity for 6 AWG shall be 60A. In this case, the 5% adjustment of Rule 8-106(1) cannot be applied.

†Conduit fill calculated based on actual conductor sizes in accordance with Canadian Electrical Code Part 1 - Rule 12-1014; Table 3 ampacities are for Free Air Installations and Table 4 ampacities are for up to 3 conductors in conduit or cable, not including neutral conductor for above ground installations.



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Copper Conductor Ampacities Maximum Allowable Number of Conductors of One Size in Conduit

Copper RW90 600V					MAXIMUM ALLOWABLE NUMBER OF CONDUCTORS IN CONDUIT [†]									
AWG or KCMIL	75° C AMPACITIES		90° C AMPACITIES		NOMINAL DIAMETER OF CONDUIT									
	Table 1	Table 2	Table 1	Table 2	1/2" (16mm)	3/4" (21mm)	1" (27mm)	1¼" (35mm)	1½" (41mm)	2" (53mm)	2½" (63mm)	3" (78mm)	3½" (91mm)	4" (103mm)
14	30	20	35	25	9	16	25	45	61	101	144	200	200	200
12	35	25	40	30	7	12	20	35	48	79	113	175	200	200
10	50	35	55	40	5	9	15	27	37	61	87	134	179	200
8	70	50	80	55	2	4	7	13	18	30	43	67	90	116
6	95	65	105	75	1	3	4	10	13	23	32	50	67	87
4	125	85	140	95	1	2	4	7	10	16	23	36	49	63
3	145	100	165	115	1	1	3	6	8	14	20	31	41	53
2	170	115	190	130	1	1	3	5	7	11	17	26	35	45
1	195	130	220	145	1	1	1	3	5	8	12	19	25	33
1/0	230	150	260	170		1	1	3	4	7	10	16	22	28
2/0	265	175	300	195**		1	1	2	3	6	8	13	18	23
3/0	310	200	350	225		1	1	1	3	5	7	11	15	19
4/0	360	230	405	260			1	1	2	4	6	9	12	16
250	405	255	455	290			1	1	1	3	5	7	10	13
300	445	285	500	320			1	1	1	3	4	6	8	11
350	505	310	570	350				1	1	2	3	5	7	10
400	545	335	615	380				1	1	1	3	5	7	9
500	620	380	700	430				1	1	1	2	4	5	7
600	690	420	780	475					1	1	1	3	4	6
750	785	475	885	535					1	1	1	2	3	4
1000	935	545	1055	615						1	1	1	3	3

**For 3-wire 120/240 V and 120/208 V service conductors for single dwellings, or for feeder conductors supplying dwelling units of row housing or apartment and similar buildings, and sized in accordance with Rules 8-200(1), 8-200(2), and 8-202(1), the allowable ampacity for sizes 6 and 2/0 AWG shall be 60 A and 200 A, respectively. In this case, the 5% adjustment of Rule 8-106(1) cannot be applied.

[†]Conduit fill calculated based on actual conductor sizes in accordance with Canadian Electrical Code Part 1 - Rule 12-1014; Table 3 ampacities are for Free Air Installations and Table 4 ampacities are for up to 3 conductors in conduit or cable, not including neutral conductor for above ground installations.



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