

Table 6 Maximum Number of Conductors of One Size in Trade Sizes of Conduit or Tubing

		CONDUCTORS													
Type	Conductor Size (AWG/kcmil)	Metric Designator (Trade Size)													
		16 (1/2)	21 (3/4)	27 (1)	35 (1-1/4)	41 (1-1/2)	53 (2)	63 (2-1/2)	78 (3)	91 (3-1/2)	103 (4)	116 (4-1/2)	129 (5)	155 (6)	
600 V Without jacket	14	8	15	25	43	59	97	139	200	200	200	200	200	200	
	12	6	11	19	33	45	74	106	164	200	200	200	200	200	
	10	5	8	14	24	33	55	78	121	162	200	200	200	200	
	8	2	4	7	13	18	30	43	67	90	116	146	183	200	
	R90XLPE	6	1	3	5	10	13	22	32	50	67	86	108	136	196
	RW75XLPE	4	1	2	4	7	10	16	23	36	48	62	78	98	142
	RW90XLPE	3	1	1	3	6	8	14	19	30	41	53	66	83	120
		2	1	1	3	5	7	11	16	25	34	44	55	70	101
		1	1	1	1	3	5	8	12	19	25	33	41	52	75
		1/0	0	1	1	3	4	7	10	16	21	27	34	44	63
		2/0	0	1	1	2	3	6	8	13	17	23	29	36	53
		3/0	0	1	1	1	3	5	7	11	14	19	24	30	44
		4/0	0	0	1	1	1	4	6	9	12	15	20	25	36
		250	0	0	1	1	1	3	4	7	10	13	16	21	30
		300	0	0	1	1	1	2	4	6	8	11	14	18	25
		350	0	0	0	1	1	2	3	5	7	9	12	16	23
		400	0	0	0	1	1	1	3	5	7	8	11	14	20
		450	0	0	0	1	1	1	3	4	6	8	10	13	18
		500	0	0	0	1	1	1	2	4	5	7	9	11	17
		600	0	0	0	0	1	1	1	3	4	5	7	9	13
	700	0	0	0	0	1	1	1	3	4	5	6	8	12	
	750	0	0	0	0	1	1	1	2	3	4	6	8	11	
	800	0	0	0	0	1	1	1	2	3	4	5	7	10	
	900	0	0	0	0	0	1	1	1	3	4	5	6	9	
	1000	0	0	0	0	0	1	1	1	2	3	4	6	9	
	1250	0	0	0	0	0	1	1	1	1	3	3	5	7	
	1500	0	0	0	0	0	0	1	1	1	1	3	4	6	
	1750	0	0	0	0	0	0	1	1	1	1	2	3	5	
	2000	0	0	0	0	0	0	1	1	1	1	1	3	4	
1000 V Without jacket	14	5	10	16	28	39	64	92	142	190	200	200	200	200	
	12	4	8	13	23	31	52	74	114	153	197	200	200	200	
	10	3	6	10	18	24	40	57	88	118	53	191	200	200	
	8	2	4	7	13	18	30	43	67	90	116	146	183	200	
	R90XLPE	6	1	2	4	8	11	18	26	40	54	70	88	110	159
	RW75XLPE	4	1	1	3	6	7	13	19	30	40	52	65	82	118
	RW90XLPE	3	1	1	3	5	7	11	16	26	34	44	56	70	102
		2	1	1	2	4	6	10	14	22	29	38	47	60	86
		1	0	1	1	3	4	7	10	15	20	26	33	42	60
		1/0	0	1	1	2	3	6	8	13	17	22	28	35	51
		2/0	0	1	1	1	3	5	7	11	15	19	24	30	43
		3/0	0	0	1	1	2	4	6	9	12	16	20	25	37
		4/0	0	0	1	1	1	3	5	8	10	13	17	21	31
		250	0	0	1	1	1	3	4	6	8	11	14	17	25
		300	0	0	0	1	1	2	3	5	7	9	12	15	22
		350	0	0	0	1	1	1	3	5	6	8	11	13	20
		400	0	0	0	1	1	1	2	4	6	7	9	12	17
		450	0	0	0	1	1	1	2	4	5	7	8	11	16
		500	0	0	0	1	1	1	1	3	5	6	8	10	15
		600	0	0	0	0	1	1	1	3	4	5	7	8	12
	700	0	0	0	0	1	1	1	2	3	4	6	7	11	
	750	0	0	0	0	1	1	1	2	3	4	5	7	10	

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	Size (AWG/kcmil)	16 (1/2)	21 (3/4)	27 (1)	35 (1-1/4)	41 (1-1/2)	53 (2)	63 (2-1/2)	78 (3)	91 (3-1/2)	103 (4)	116 (4-1/2)	129 (5)	155 (6)
1000 V Without jacket	800	0	0	0	0	0	1	1	2	3	4	5	7	10
	900	0	0	0	0	0	1	1	1	3	4	5	6	9
	1000	0	0	0	0	0	1	1	1	2	3	4	5	8
	1250	0	0	0	0	0	1	1	1	1	2	3	4	6
	1500	0	0	0	0	0	0	1	1	1	1	3	3	5
R90XLPE	1750	0	0	0	0	0	0	1	1	1	1	2	3	4
RW75XLPE	2000	0	0	0	0	0	0	0	1	1	1	1	3	4
RW90XLPE														
(continued)														
600 V With jacket	14	5	10	16	28	39	64	92	152	190	200	200	200	200
	12	4	8	13	23	31	52	74	114	153	197	200	200	200
R90XLPE	10	3	6	10	18	24	40	57	88	118	153	191	200	200
	8	1	3	6	10	14	24	34	53	71	91	115	144	200
RW75XLPE	6	1	1	3	6	9	15	21	33	45	58	72	91	132
RW90XLPE	4	1	1	3	5	7	11	16	25	34	44	55	69	101
R90EP	3	1	1	2	4	6	10	14	22	30	38	48	60	87
RW75EP	2	1	1	1	3	5	8	12	19	25	33	41	52	75
RW90EP	1	0	1	1	2	4	6	8	13	17	22	28	36	52
RWU90XLPE	1/0	0	1	1	1	3	5	7	11	15	19	24	31	44
	2/0	0	0	1	1	2	4	6	9	13	16	21	26	38
TWU	3/0	0	0	1	1	1	3	5	8	11	14	18	22	32
	4/0	0	0	1	1	1	3	4	7	9	12	15	19	27
RWU90XLPE	250	0	0	0	1	1	1	3	5	7	9	11	14	21
	300	0	0	0	1	1	1	3	4	6	8	10	12	18
TWU75	350	0	0	0	1	1	1	2	4	5	7	9	11	16
	400	0	0	0	1	1	1	1	3	5	6	8	10	15
RWU90XLPE	450	0	0	0	0	1	1	1	3	4	6	7	9	13
	500	0	0	0	0	1	1	1	3	4	5	7	8	12
RWU90XLPE	600	0	0	0	0	1	1	1	2	3	4	5	7	10
	700	0	0	0	0	0	1	1	1	3	4	5	6	9
RWU90XLPE	750	0	0	0	0	0	1	1	1	3	3	4	6	8
	800	0	0	0	0	0	1	1	1	2	3	4	5	8
RWU90XLPE	900	0	0	0	0	0	1	1	1	2	3	4	5	7
	1000	0	0	0	0	0	1	1	1	1	3	3	4	7
RWU90XLPE	1250	0	0	0	0	0	0	1	1	1	1	2	3	5
	1500	0	0	0	0	0	0	1	1	1	1	1	3	4
RWU90XLPE	1750	0	0	0	0	0	0	0	1	1	1	1	2	4
	2000	0	0	0	0	0	0	0	1	1	1	1	1	3
RWU90XLPE	14	4	7	11	20	28	46	66	102	136	175	200	200	200
	12	3	6	9	17	23	38	54	84	113	145	182	200	200
TWU	10	2	4	8	13	18	30	44	68	91	117	147	184	200
	8	1	2	4	8	11	18	26	40	53	69	87	109	157
TWU75	6	1	1	3	6	8	14	20	31	42	55	68	86	124
	4	1	1	2	5	6	11	15	24	32	42	52	66	95
RWU90XLPE	3	1	1	1	4	5	9	13	21	28	36	46	57	83
	2	1	1	1	3	5	8	11	18	24	31	39	49	72
RWU90XLPE	1	0	1	1	2	3	6	9	13	18	23	29	37	54
	1/0	0	1	1	1	3	5	7	11	16	20	25	32	46
RWU90XLPE	2/0	0	1	1	1	2	4	6	10	13	17	21	27	39
	3/0	0	0	1	1	1	3	5	8	11	14	18	23	33
RWU90XLPE	4/0	0	0	1	1	1	3	4	7	9	12	15	19	28
	250	0	0	0	1	1	2	3	6	8	10	12	16	23

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		16 (1/2)	21 (3/4)	27 (1)	35 (1-1/4)	41 (1-1/2)	53 (2)	63 (2-1/2)	78 (3)	91 (3-1/2)	103 (4)	116 (4-1/2)	129 (5)	155 (6)
TWU TWU75 (continued)	300	0	0	0	1	1	1	3	5	7	9	11	14	20
	350	0	0	0	1	1	1	3	4	6	8	10	12	18
	400	0	0	0	1	1	1	2	4	5	7	9	11	16
	450	0	0	0	1	1	1	1	3	5	6	8	10	15
	500	0	0	0	0	1	1	1	3	4	6	7	9	13
	600	0	0	0	0	1	1	1	2	3	5	6	7	11
	700	0	0	0	0	0	1	1	1	3	4	5	6	10
	750	0	0	0	0	0	1	1	1	3	4	5	6	9
	800	0	0	0	0	0	1	1	1	3	4	5	6	9
	900	0	0	0	0	0	1	1	1	2	3	4	5	8
	1000	0	0	0	0	0	1	1	1	1	3	4	5	7
	1250	0	0	0	0	0	0	1	1	1	2	3	4	6
	1500	0	0	0	0	0	0	1	1	1	1	2	3	5
	1750	0	0	0	0	0	0	1	1	1	1	1	3	4
	2000	0	0	0	0	0	0	0	0	1	1	1	2	4
TW	14	8	15	25	43	59	97	139	200	200	200	200	200	200
	12	6	11	19	33	45	74	106	164	200	200	200	200	200
TW75	10	5	8	14	24	33	55	78	121	162	200	200	200	200
	8	2	4	7	13	18	30	43	67	90	116	146	183	200
	6	1	2	4	8	11	18	26	40	54	70	88	110	159
	4	1	1	3	6	8	13	19	30	40	52	65	82	118
	3	1	1	3	5	7	11	16	26	34	44	56	70	102
	2	1	1	2	4	6	10	14	22	29	38	47	60	86
	1	0	1	1	3	4	7	10	15	20	26	33	42	60
	1/0	0	1	1	2	3	6	8	13	17	22	28	35	51
	2/0	0	1	1	1	3	5	7	11	15	19	24	30	43
	3/0	0	0	1	1	2	4	6	9	12	16	20	25	37
	4/0	0	0	1	1	1	3	5	8	10	13	17	21	31
	250	0	0	1	1	1	2	4	6	8	11	13	17	25
	300	0	0	0	1	1	1	3	5	7	9	12	15	21
	350	0	0	0	1	1	1	3	5	6	8	10	13	19
	400	0	0	0	1	1	1	2	4	6	7	9	12	17
	450	0	0	0	1	1	1	2	4	5	7	8	11	15
	500	0	0	0	1	1	1	1	3	5	6	8	10	14
	600	0	0	0	0	1	1	1	3	4	5	6	8	11
	700	0	0	0	0	1	1	1	2	3	4	5	7	10
	750	0	0	0	0	0	1	1	1	3	4	5	6	9
800	0	0	0	0	0	1	1	1	3	4	5	6	9	
900	0	0	0	0	0	1	1	1	2	3	4	5	8	
1000	0	0	0	0	0	1	1	1	2	3	4	5	7	
1250	0	0	0	0	0	0	1	1	1	2	3	4	5	
1500	0	0	0	0	0	0	1	1	1	1	2	3	5	
1750	0	0	0	0	0	0	1	1	1	1	2	3	4	
2000	0	0	0	0	0	0	0	1	1	1	1	2	4	

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TWN75	14	12	22	36	62	85	140	200	200	200	200	200	200	200
	12	9	16	26	45	62	102	145	200	200	200	200	200	200
T90 Nylon	10	5	10	16	28	38	63	90	139	187	200	200	200	200
	8	3	5	9	16	22	36	52	80	100	138	173	200	200
	6	1	4	6	11	16	26	37	58	80	100	125	157	200
	4	1	2	4	7	9	16	23	35	47	61	77	96	140
	3	1	1	3	6	8	13	19	30	40	52	65	82	118
	2	1	1	2	5	7	11	16	25	34	43	55	69	99
	1	1	1	2	3	4	8	12	18	25	32	40	51	73
	1/0	0	1	1	3	4	7	10	15	21	27	34	42	62
	2/0	0	1	1	2	3	6	8	13	17	22	28	35	51
	3/0	0	1	1	1	3	5	7	11	14	19	23	29	43
	4/0	0	0	1	1	1	4	5	9	12	15	19	24	35
	250	0	0	1	1	1	3	4	7	10	12	16	20	29
	300	0	0	1	1	1	2	4	6	8	11	13	17	25
	350	0	0	0	1	1	2	3	5	7	9	12	15	22
	400	0	0	0	1	1	1	3	5	6	8	10	13	19
	450	0	0	0	1	1	1	2	4	6	7	9	12	17
	500	0	0	0	1	1	1	2	4	5	7	9	11	16

Notes:

- (1) The calculated values in this Table are based on conventional concentric Class B stranded conductors.
- (2) The calculated values in this Table are based on metallic conduit. Other types of raceway of the same nominal size may have different dimensions.
- (3) Some raceways are required to contain a separate bonding or grounding conductor. No allowance is made for extra conductors in this Table.

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