

CONDUIT FILL

Maximum Number of THHN/THWN Conductors
in Conduit or Tubing per 1993 NEC

Type: TFFN - Fixture Wires												
Size (AWG)	.5 inch	.75 inch	1 inch	1.25 inch	1.5 inch	2 inch	2.5 inch	3 inch	3.5 inch	4 inch	5 inch	6 inch
18	19	34	55	97	132	216	0	0	0	0	0	0
16	15	26	43	76	104	169	0	0	0	0	0	0

Type: THHN - THWN												
Size (AWG)	.5 inch	.75 inch	1 inch	1.25 inch	1.5 inch	2 inch	2.5 inch	3 inch	3.5 inch	4 inch	5 inch	6 inch
14	13	24	39	69	94	154	0	0	0	0	0	0
12	10	18	29	51	70	114	164	0	0	0	0	0
10	6	11	18	32	44	73	104	160	0	0	0	0
8	3	5	9	16	22	36	51	79	106	136	0	0
6	1	4	6	11	15	26	37	57	76	98	154	0
4	1	2	4	7	9	16	22	35	47	60	94	137
3	1	1	3	6	8	13	19	29	39	51	80	116
2	1	1	3	5	7	11	16	25	33	43	67	97
1	0	1	1	3	5	8	12	18	25	32	50	72
1/0	0	1	1	3	4	7	10	15	21	27	42	61
2/0	0	1	1	2	3	6	8	13	17	22	35	51
3/0	0	1	1	1	3	5	7	11	14	18	29	42
4/0	0	1	1	1	2	4	6	9	12	15	24	35
250	0	0	1	1	1	3	4	7	10	12	20	28
300	0	0	1	1	1	3	4	6	8	11	17	24
350	0	0	1	1	1	2	3	5	7	9	15	21
400	0	0	0	1	1	1	3	5	6	8	13	19
500	0	0	0	1	1	1	2	4	5	7	11	16
600	0	0	0	1	1	1	1	3	4	5	9	13
750	0	0	0	0	1	1	1	2	3	4	7	11

Unless otherwise specifically permitted elsewhere in this Code, the overcurrent protection for conductor types marked with an asterisk() shall not exceed 15 amperes for No. 14, 20 amperes for No. 12, and 30 amperes for No. 10 copper; or 15 amperes for 15 amperes for no. 12 and 25 amperes for No. 10 aluminum and copper-clad aluminum after any correction factors for ambient temperature and number of conductors have been applied. Table 310-16 NEC.

This information presented within this section has been carefully prepared and is believed to be accurate. Alan Wire Company makes no warranties, expressed or implied, and disclaim any responsibility or liability for loss or damage as a result of the use of this information.



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CONDUIT FILL CONT.

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COMBINATION OF CONDUCTORS:

For groups of combinations of conductors the conduit or tubing shall be such size that the sum of the cross sectional areas of the individual conductors will not be more than the percentage of the interior cross sectional area of the conduit or tubing shown in the following table:

Number of Conductors	1	2	3	4	Over 4
All conductor types except lead-covered (new or rewiring)	53	31	40	40	40
Lead-covered Conductors	55	30	40	38	3

Unless otherwise specifically permitted elsewhere in this Code, the overcurrent protection for conductor types marked with an asterisk() shall not exceed 15 amperes for No. 14, 20 amperes for No. 12, and 30 amperes for No. 10 copper; or 15 amperes for 15 amperes for no. 12 and 25 amperes for No. 10 aluminum and copper-clad aluminum after any correction factors for ambient temperature and number of conductors have been applied. Table 310-16 NEC.

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