

Conduit Fill Chart — THHN

Maximum number of THHN/THWN conductors permitted in each conduit, at the NEC 40% fill limit for three or more conductors.

EMT

AWG	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	3-1/2"	4"
14	12	22	35	61	84	138	241	364	476	608
12	9	16	26	45	61	101	176	266	347	443
10	5	10	16	28	38	63	111	167	219	279
8	3	6	9	16	22	36	64	96	126	161
6	2	4	7	12	16	26	46	69	91	116
4	1	2	4	7	10	16	28	43	56	71
3	1	1	3	6	8	13	24	36	47	60
2	1	1	3	5	7	11	20	30	40	51
1	1	1	1	4	5	8	15	22	29	37
1/0	—	1	1	3	4	7	12	19	25	32
2/0	—	1	1	2	3	6	10	16	20	26
3/0	—	1	1	1	3	5	8	13	17	22
4/0	—	—	1	1	2	4	7	11	14	18

IMC

AWG	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	3-1/2"	4"
14	14	24	39	68	91	149	211	326	436	562
12	10	17	29	49	67	109	154	238	318	410
10	6	11	18	31	42	69	97	150	200	258
8	3	6	10	18	24	39	56	86	115	149
6	2	4	7	13	17	28	40	62	83	107
4	1	3	4	8	11	17	25	38	51	66
3	1	2	4	6	9	15	21	32	43	56
2	1	1	3	5	7	12	17	27	36	47
1	1	1	2	4	5	9	13	20	27	35
1/0	—	1	1	3	4	8	11	17	23	29
2/0	—	1	1	3	4	6	9	14	19	24
3/0	—	1	1	2	3	5	7	12	16	20
4/0	—	—	1	1	2	4	6	9	13	17

RMC (rigid)

AWG	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	3-1/2"	4"
14	13	22	36	63	85	140	200	309	412	531
12	9	16	26	46	62	102	146	225	301	387
10	6	10	17	29	39	64	92	142	189	244
8	3	6	9	16	22	37	53	82	109	140
6	2	4	7	12	16	27	38	59	79	101
4	1	2	4	7	10	16	23	36	48	62
3	1	1	3	6	8	14	20	31	41	53
2	1	1	3	5	7	11	17	26	34	44
1	1	1	1	4	5	8	12	19	25	33
1/0	—	1	1	3	4	7	10	16	21	27
2/0	—	1	1	2	3	6	8	13	18	23
3/0	—	1	1	1	3	5	7	11	15	19
4/0	—	—	1	1	2	4	6	9	12	16

PVC Sch 40

AWG	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	3-1/2"	4"
14	11	21	34	60	82	135	193	299	401	517
12	8	15	25	43	59	99	141	218	293	377
10	5	9	15	27	37	62	89	137	184	238
8	3	5	9	16	21	36	51	79	106	137
6	1	4	6	11	15	26	37	57	77	99
4	1	2	4	7	9	16	22	35	47	61
3	1	1	3	6	8	13	19	30	40	51
2	1	1	3	5	7	11	16	25	33	43
1	—	1	1	3	5	8	12	18	25	32
1/0	—	1	1	3	4	7	10	15	21	27
2/0	—	1	1	2	3	6	8	13	17	22
3/0	—	1	1	1	3	5	7	11	14	18
4/0	—	—	1	1	2	4	6	9	12	15

PVC Sch 80

AWG	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	3-1/2"	4"
14	9	17	28	51	70	118	170	265	358	464
12	6	12	20	37	51	86	124	193	261	338
10	4	7	13	23	32	54	78	122	164	213
8	2	4	7	13	18	31	45	70	95	123
6	1	3	5	9	13	22	32	51	68	89
4	1	1	3	6	8	14	20	31	42	54
3	1	1	3	5	7	12	17	26	35	46
2	—	1	2	4	6	10	14	22	30	39
1	—	1	1	3	4	7	10	16	22	29
1/0	—	1	1	2	3	6	9	14	18	24
2/0	—	—	1	1	3	5	7	11	15	20
3/0	—	—	1	1	2	4	6	9	13	17
4/0	—	—	1	1	1	3	5	8	10	14