Understand the Conduit Fill Chart Easily

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Table C.1 Maximum Number of Conductors or Fixture Wires in Electrical Metallic Tubing (EMT)
(Based on Chapter 9: Table 1, Table 4, and Table 5)

Type	Conductor Size (AWG/kcmil)	Trade Size (Metric Designator)												
		⅜ (12)	½ (16)	¾ (21)	1 (27)	1¼ (35)	1½ (41)	2 (53)	2½ (63)	3 (78)	3½ (91)	4 (103)	5 (129)	6 (155)
THHN, THWN, THWN-2	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	1	3	4	7	12	19	25	32	—	—
	2/0	—	0	1	1	2	3	6	10	16	20	26	—	—
	3/0	—	0	1	1	1	3	5	8	13	17	22	—	—
	4/0	—	0	1	1	1	2	4	7	11	14	18	—	—
	250	—	0	0	1	1	1	3	6	9	11	15	—	—
	300	—	0	0	1	1	1	3	5	7	10	13	—	—
	350	—	0	0	1	1	1	2	4	6	9	11	—	—
	400	—	0	0	0	1	1	1	4	6	8	10	—	—
	500	—	0	0	0	1	1	1	3	5	6	8	—	—

Printing & Usage Overview

You're likely here because you need a quick, reliable reference for your electrical project or perhaps you're double-checking your calculations. The conduit fill chart is your go-to resource, offering a clear and concise overview of conduit capacities and wire fill percentages. This chart, often a simple table or diagram, provides essential information to ensure your electrical installations are safe and compliant. While values may vary depending on regional standards and trade customs, the conduit fill chart offers a solid starting point for your electrical conduit sizing needs. Understanding Conduit Fill Ratios The conduit fill chart is a vital tool for electrical installations, offering a quick reference to determine the maximum safe capacity of electrical conduits. It ensures that conduits are not overloaded, which could lead to dangerous situations. This chart provides a clear guide to the

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