

ELECTRICAL CONDUIT DATA

Table A8.1-1; EMT Electrical Conduit with 40% Copper Fill

Trade Size (in)	Conduit O. D. (in)	Wall Thickness (in)	Conduit Weight (lb/ft)	Copper Weight (lb/ft)	Conduit + Copper Weight (lb/ft)
1/2	0.706	0.042	0.30	0.47	0.77
3/4	0.922	0.049	0.45	0.82	1.28
1	1.163	0.057	0.67	1.34	2.01
1 1/4	1.510	0.065	1.00	2.31	3.31
1 1/2	1.740	0.065	1.16	3.15	4.30
2	2.197	0.065	1.47	5.19	6.66
2 1/2	2.875	0.072	2.15	9.05	11.20
3	3.500	0.072	2.62	13.67	16.30
3 1/2	4.000	0.083	3.46	17.84	21.30
4	4.500	0.083	3.90	22.80	26.70

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Toll Free (USA Only): 800-959-1229
 International: 614-889-0480
 FAX: 614-889-0540
 World Wide Web: www.kineticsnoise.com
 E-mail: sales@kineticsnoise.com

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Table A8.1-2; IMC Electrical Conduit with 40% Copper Fill

Trade Size (in)	Conduit O. D. (in)	Wall Thickness (in)	Conduit Weight (lb/ft)	Copper Weight (lb/ft)	Conduit + Copper Weight (lb/ft)
1/2	0.815	0.070	0.55	0.55	1.11
3/4	1.029	0.075	0.76	0.94	1.70
1	1.290	0.085	1.09	1.52	2.61
1 1/4	1.638	0.085	1.40	2.62	4.02
1 1/2	1.883	0.090	1.72	3.52	5.24
2	2.360	0.095	2.29	5.72	8.00
2 1/2	2.857	0.140	4.04	8.06	12.11
3	3.476	0.140	4.97	12.40	17.36
3 1/2	3.971	0.140	5.70	16.54	22.24
4	4.466	0.140	6.44	21.27	27.71

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Table A8.1-3; Rigid Electrical Conduit with 40% Copper Fill

Trade Size (in)	Conduit O. D. (in)	Wall Thickness (in)	Conduit Weight (lb/ft)	Copper Weight (lb/ft)	Conduit + Copper Weight (lb/ft)
1/2	0.840	0.104	0.81	0.48	1.30
3/4	1.050	0.107	1.07	0.85	1.92
1	1.315	0.126	1.59	1.37	2.96
1 1/4	1.660	0.133	2.16	2.36	4.52
1 1/2	1.900	0.138	2.59	3.20	5.79
2	2.375	0.146	3.46	5.27	8.73
2 1/2	2.875	0.193	5.50	7.52	13.02
3	3.500	0.205	7.18	11.59	18.77
3 1/2	4.000	0.215	8.65	15.47	24.12
4	4.500	0.225	10.23	19.91	30.14
5	5.563	0.245	13.85	31.24	45.09
6	6.625	0.266	17.98	45.07	63.05

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