

Copper Water Tubing Data – English Units

Table A4.4.1-1; Type K Copper Tubing – Water – ASTM B88.

Tube Size (in)	Tube O.D. (in)	Wall Thickness (in)	Tube Weight Empty (lb/ft)	Water Weight (lb/ft)	Tube + Water (lb/ft)
1/4	0.375	0.035	0.14	0.03	0.17
3/8	0.500	0.049	0.27	0.06	0.33
1/2	0.625	0.049	0.34	0.09	0.43
5/8	0.750	0.049	0.42	0.14	0.56
3/4	0.875	0.065	0.64	0.19	0.83
1	1.125	0.065	0.84	0.34	1.18
1-1/4	1.375	0.065	1.03	0.53	1.56
1-1/2	1.625	0.072	1.36	0.75	2.11
2	2.125	0.083	2.06	1.31	3.37
2-1/2	2.625	0.095	2.92	2.02	4.94
3	3.125	0.109	3.99	2.88	6.87
3-1/2	3.625	0.120	5.11	3.90	9.01
4	4.125	0.134	6.49	5.06	11.55
5	5.125	0.160	9.64	7.86	17.50
6	6.125	0.192	13.83	11.22	25.05

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Table A4.4.1-2; Type L Copper Tubing – Water – ASTM B88.

Tube Size (in)	Tube O.D. (in)	Wall Thickness (in)	Tube Weight Empty (lb/ft)	Water Weight (lb/ft)	Tube + Water (lb/ft)
1/4	0.375	0.030	0.13	0.03	0.16
3/8	0.500	0.035	0.20	0.06	0.26
1/2	0.625	0.040	0.28	0.10	0.38
5/8	0.750	0.042	0.36	0.15	0.51
3/4	0.875	0.045	0.45	0.21	0.66
1	1.125	0.050	0.65	0.36	1.01
1-1/4	1.375	0.055	0.88	0.54	1.42
1-1/2	1.625	0.060	1.14	0.77	1.91
2	2.125	0.070	1.75	1.34	3.09
2-1/2	2.625	0.080	2.47	2.07	4.54
3	3.125	0.090	3.32	2.95	6.27
3-1/2	3.625	0.100	4.28	3.99	8.27
4	4.125	0.114	5.55	5.17	10.72
5	5.125	0.125	7.59	8.09	15.68
6	6.125	0.140	10.17	11.63	21.80

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Table A4.4.1-3; Type M Copper Tubing – Water – ASTM B88.

Tube Size (in)	Tube O.D. (in)	Wall Thickness (in)	Tube Weight Empty (lb/ft)	Water Weight (lb/ft)	Tube + Water (lb/ft)
1/4	0.375	N/A	N/A	N/A	N/A
3/8	0.500	0.025	0.14	0.07	0.21
1/2	0.625	0.028	0.20	0.11	0.31
5/8	0.750	N/A	N/A	N/A	N/A
3/4	0.875	0.032	0.33	0.22	0.55
1	1.125	0.035	0.46	0.38	0.84
1-1/4	1.375	0.042	0.68	0.57	1.25
1-1/2	1.625	0.049	0.94	0.79	1.73
2	2.125	0.058	1.46	1.37	2.83
2-1/2	2.625	0.065	2.02	2.12	4.14
3	3.125	0.072	2.67	3.02	5.69
3-1/2	3.625	0.083	3.57	4.07	7.64
4	4.125	0.095	4.65	5.27	9.92
5	5.125	0.109	6.64	8.19	14.83
6	6.125	0.122	8.89	11.77	20.66

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