

Electrical Conduit Data – SI Units

Table A4.5.2-1; EMT Conduit – 40% Copper Fill.

Conduit size (mm)	Conduit O.D. (mm)	Conduit O.D. (mm)	Conduit Weight Empty (N/m)	Copper Weight (N/m)	Conduit + Copper (N/m)
13	17.93	15.80	4.3	6.9	11.2
19	23.42	20.93	6.7	12.0	18.7
25	29.54	26.64	9.8	19.5	29.3
32	38.35	35.05	14.6	33.7	48.3
38	44.20	40.89	17.0	45.9	62.9
51	55.80	52.50	21.6	75.7	97.3

Table A4.5.2-2; IMC Conduit – 40% Copper Fill.

Conduit Size (mm)	Conduit O.D. (mm)	Conduit I.D. (mm)	Conduit Weight Empty (N/m)	Copper Weight (N/m)	Conduit + Copper (N/m)
13	20.70	17.15	8.1	8.1	16.2
19	26.14	22.33	11.1	13.7	24.8
25	32.77	28.45	16.0	22.2	38.2
32	41.61	37.29	20.6	38.2	58.8
38	47.83	43.26	25.1	51.4	76.5
51	59.94	55.12	33.5	83.4	116.9

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Table A4.5.2-3; Rigid Conduit – 40% Copper Fill.

Conduit Size (mm)	Conduit O.D. (mm)	Conduit I.D. (mm)	Conduit Weight Empty (N/m)	Copper Weight (N/m)	Conduit + Copper (N/m)
13	21.34	16.05	11.9	7.1	19.0
19	26.67	21.23	15.7	12.4	28.1
25	33.40	27.00	23.3	20.0	43.3
32	42.16	35.41	31.6	34.4	66.0
38	48.26	41.25	37.9	46.7	84.6
51	60.33	52.91	50.7	76.9	127.6

Table A4.5.2-4; PVC Schedule 40 Rigid Conduit – 40% Copper Fill.

Conduit Size (mm)	Conduit O.D. (mm)	Conduit I.D. (mm)	Conduit Weight Empty (N/m)	Copper Weight (N/m)	Conduit + Copper (N/m)
13	21.34	15.80	2.2	6.9	9.1
19	26.67	20.93	2.9	12.0	14.9
25	33.40	26.64	4.3	19.5	23.8
32	42.16	35.05	5.9	33.7	39.6
38	48.26	40.89	7.0	45.9	52.9
51	60.33	52.50	9.4	75.7	85.1

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