



Little Falls Alloys

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FLAT WIRE

ROUND EDGE
FLAT WIRE

American Wire Gauge (B&S) Weight & Footage Table

HOW TO USE FLAT WIRE WEIGHT TABLES

SQUARE EDGE FLAT WIRE

Read Directly from Table II

ROUND EDGE FLAT WIRE

To determine weight per 1000 feet of Round Edge Beryllium Copper Flat Wire, the appropriate "Correction Factor" in Table I (Below) is applied to the weight taken from "Weight Table II for Square Edge Flat Wire.

EXAMPLE

To find LB/1000 FT .010 x .020 Round Edge Flat Wire

Note:

Width/Thickness Ratio = 2.0

From Weight Table II: LB/1000 FT .010 x .0200.72

Multiply by: factor for 2.0 Width/Thickness Ratio . . .x .92

Answer: LB/1000 FT Round Edge Flat Wire0.66

TABLE I

WIDTH-THICKNESS RATIO	CORRECTION RATIO	WIDTH-THICKNESS RATIO	CORRECTION RATIO	WIDTH-THICKNESS RATIO	CORRECTION RATIO
1	.78	1.7	.905	2.9 - 3.0	.95
1.05	.805	1.8	.91	3.1 - 3.3	.955
1.1	.82	1.9	.915	3.4 - 3.7	.96
1.15	.84	2.0	.92	3.8 - 4.3	.965
1.2	.85	2.1	.925	4.4 - 5.2	.97
1.3	.865	2.2	.93	5.3 - 6.2	.975
1.4	.875	2.3 - 2.4	.935	6.3 - 7.9	.98
1.5	.885	2.5 - 2.6	.94	8.0 - 9.1	.985
1.6	.895	2.7	.945	9.2 - 9.9	.99

For Other Materials:

Multiply the Beryllium Copper figure (either Square Edge or Round Edge) by the factor indicated below:

MATERIAL	FACTOR
10 Alloy	1.06
Phosphor Bronze	1.08
Nickel Silver	1.06
Brass	1.04
Copper	1.09
Aluminum	0.33
Nickel	1.08

EXAMPLE

To Find: LB/1000 Ft .010 x .020

Copper Round Edge Flat Wire

From Table (Corrected): LB/1000 Ft .010 x .020. . . . 0.66

Multiply by: Factor for Copper. x 1.09

Answer: LB/1000 Ft .010 x .020 Copper. 0.72