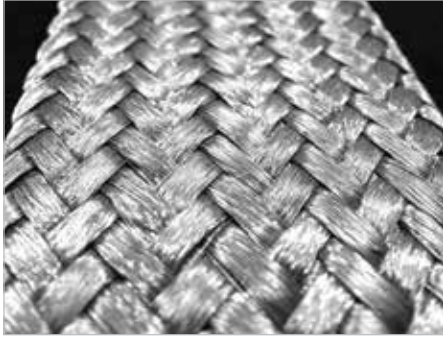


Flat braided copper cables



Conductors

Strands are soft-drawn bare or tinned copper.

Construction

Strands are woven into a tubular braid and rolled flat.

Application

For bonding, grounding or connecting moving parts.

Specification

ASTM-B33

Assemblies

Factory-installed molded connectors also available.

The following listing represents the most popular flat braid constructions used in specialized electrical industry applications. For other constructions, contact an ABB sales representative or your regional ABB sales office.

| Cat. no. | AWG size | Circular mil area | Numbers and size of wires (AWG) | Construction | Nominal width (in.) | Nominal thick. (in.) | Approx. weight (lb/m) |
|---------------|-----------|-------------------|---------------------------------|------------------|---------------------|----------------------|-----------------------|
| FB-4243230-1* | 300 kcmil | 307,200 | 3,072 / 30 | 4 x (24 x 32/30) | 1 $\frac{3}{8}$ | 0.420 | 1,110 |
| FB-1485230-1 | 250 kcmil | 249,600 | 2,496 / 30 | 48 x 52/30 | 2 $\frac{1}{2}$ | 0.190 | 900 |
| FB-3243230-1 | 4/0 | 230,400 | 2,304 / 30 | 3 x (24 x 32/30) | 1 $\frac{3}{4}$ | 0.375 | 825 |
| FB-2243230-1 | 3/0 | 153,600 | 1,536 / 30 | 2 x (24 x 32/30) | 1 $\frac{1}{8}$ | 0.250 | 560 |
| FBXDRL | 1/0 | 105,600 | 1,056 / 30 | 24 x 44/30 | 1 | 0.135 | 365 |
| FB-1482230-1 | 1/0 | 105,600 | 1,056 / 30 | 48 x 22/30 | 1 $\frac{3}{8}$ | 0.120 | 365 |
| FB-1488436-1 | 1/0 | 100,800 | 4,032 / 36 | 48 x 84/36 | 1 $\frac{5}{8}$ | 0.080 | 360 |
| FBDRL | 1 | 76,800 | 768 / 30 | 24 x 32/30 | 1 | 0.125 | 200 |
| FB-12412036-1 | 2 | 72,000 | 2,880 / 36 | 24 x 120/36 | 1 | 0.135 | 240 |
| FB-1485036-1 | 2 | 60,000 | 2,400 / 36 | 48 x 50/36 | 1 $\frac{1}{4}$ | 0.090 | 205 |
| FBCRL | 3 | 48,000 | 480 / 30 | 24 x 20/30 | $\frac{3}{4}$ | 0.110 | 170 |
| FB-1484036-1 | 3 | 48,000 | 1,920 / 36 | 48 x 40/36 | 1 | 0.090 | 160 |
| FB-1488640-1 | 4 | 41,280 | 4,128 / 40 | 48 x 86/40 | 1 | 0.060 | 140 |
| FB-1246736-1 | 4 | 40,200 | 1,608 / 36 | 24 x 67/36 | $\frac{3}{4}$ | 0.090 | 135 |
| FB-1241630-1 | 4 | 38,400 | 384 / 30 | 24 x 16/30 | $\frac{5}{8}$ | 0.085 | 125 |
| FBBRL | 6 | 24,000 | 210 / 30 | 24 x 10/30 | $\frac{1}{2}$ | 0.080 | 83 |
| FB-1244036-1 | 6 | 24,000 | 960 / 36 | 24 x 40/36 | $\frac{1}{2}$ | 0.090 | 80 |
| FB-14810644-2 | 7 | 20,350 | 5,088 / 44 | 48 x 106/44 | $\frac{5}{8}$ | 0.050 | 68 |
| FB-1480836-1 | 10 | 9,600 | 384 / 36 | 48 x 8/36 | $\frac{1}{2}$ | 0.030 | 39 |
| FB-1241636-1 | 10 | 9,600 | 384 / 36 | 24 x 16/36 | $\frac{3}{8}$ | 0.060 | 39 |
| FB-1480636-1 | 12 | 7,200 | 288 / 36 | 48 x 6/36 | $\frac{3}{8}$ | 0.030 | 28 |
| FB-1481036-1 | 12 | 6,000 | 240 / 36 | 24 x 10/36 | $\frac{1}{4}$ | 0.030 | 23 |

* The suffix «-1» denotes tinned copper braid. For bare copper braid, replace «-1» with «-2».

NOTE: Dimensions shown are only approximate due to the extreme flexibility of braided cables.