

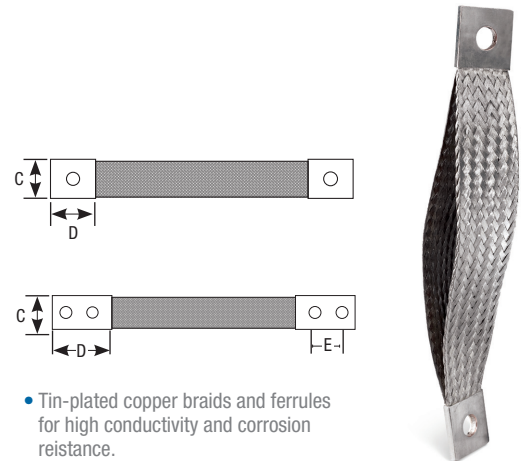
Flexible Braid

Flexible Braids for grounding, bonding and continuous current applications



| Cat. No. | Circular Mils | Bolt Hole (in.) | No. of Braids in Ferrule | Dimensions (in.) | | | |
|------------|---------------|-----------------|--------------------------|------------------|-----------|--------------------|---------------------------|
| | | | | (T) Thickness | (C) Width | (D) Ferrule Length | (E) Distance Ctr. to Ctr. |
| FBB12-1* | 24 000 | 1/4 | 1 | 0.140 | 0.625 | 0.750 | — |
| FBC12-1* | 48 000 | 7/16 | 1 | 0.148 | 1.000 | 1.300 | — |
| FBD12-1* | 76 800 | 7/16 | 1 | 0.200 | 1.000 | 1.300 | — |
| FBD12* | 76 800 | 7/16 | 1 | 0.200 | 1.000 | 2.500 | 1.25 |
| FB2D12-1* | 153 600 | 7/16 | 2 | 0.250 | 1.250 | 1.500 | — |
| FB2D12* | 153 600 | 7/16 | 2 | 0.250 | 1.250 | 2.500 | 1.25 |
| FB3D12-1* | 230 400 | 7/16 | 3 | 0.350 | 1.250 | 1.500 | — |
| FB3D12* | 230 400 | 7/16 | 3 | 0.350 | 1.250 | 2.500 | 1.25 |
| FBXD12-1* | 105 600 | 9/16 | 1 | 0.250 | 1.250 | 1.500 | — |
| FBXD12* | 105 600 | 9/16 | 1 | 0.250 | 1.250 | 2.500 | 1.25 |
| FB2XD12-1* | 211 200 | 9/16 | 2 | 0.350 | 1.250 | 1.500 | — |
| FB2XD12* | 211 200 | 9/16 | 2 | 0.350 | 1.250 | 2.500 | 1.25 |
| FB3XD12-1* | 315 800 | 9/16 | 3 | 0.400 | 1.250 | 1.500 | — |
| FB3XD12* | 315 800 | 9/16 | 3 | 0.400 | 1.250 | 2.500 | 1.25 |
| FBE12-1* | 168 000 | 9/16 | 1 | 0.500 | 1.250 | 2.500 | — |
| FBE12** | 168 000 | 9/16 | 1 | 0.250 | 1.250 | 3.500 | 1.75 |
| FB2E12-1* | 336 000 | 9/16 | 1 | 0.500 | 1.250 | 2.500 | — |
| FB2E12* | 336 000 | 9/16 | 2 | 0.500 | 1.250 | 3.500 | 1.75 |
| FB3E12 | 504 000 | 9/16 | 3 | 0.750 | 1.250 | 3.500 | 1.75 |
| FB4E12 | 672 000 | 9/16 | 4 | 1.00 | 1.25 | 3.500 | 1.75 |
| FBF12 | 230 400 | 9/16 | 1 | 0.300 | 1.500 | 3.500 | 1.75 |
| FB2F12 | 460 800 | 9/16 | 2 | 0.450 | 1.500 | 3.500 | 1.75 |
| FB3F12 | 691 200 | 9/16 | 3 | 0.600 | 1.625 | 3.500 | 1.75 |
| FB4F12 | 921 600 | 9/16 | 4 | 0.750 | 1.625 | 3.500 | 1.75 |
| FBG12 | 307 200 | 9/16 | 1 | 0.380 | 1.500 | 3.500 | 1.75 |
| FB2G12 | 614 400 | 9/16 | 2 | 0.630 | 1.625 | 3.500 | 1.75 |
| FB3G12 | 921 600 | 9/16 | 3 | 0.850 | 1.625 | 3.500 | 1.75 |
| FB4G12 | 1 228 800 | 9/16 | 4 | 1.000 | 1.880 | 3.500 | 1.75 |

*UL Listed 467/486 and CSA Certified C22.2 No. 41 as grounding and bonding equipment. Standard lengths offered in 6, 12, 18, 24, 30 and 36 inches (end to end). Change the 12 in the above catalogue numbers to the desired length. (-1) indicates 1 bolt hole per ferrule. For custom flexible braids, contact your Regional Sales Office.



- Tin-plated copper braids and ferrules for high conductivity and corrosion resistance.
- Flexible copper braids for use in substation and grounding applications.
- Flexible braids allow for linear expansion, equipment vibration, and offset connections.

Flexible braid in a roll (10 foot minimum)

| Cat. No. | Circular Mils | Thickness (in.) | Width (in.) |
|----------|---------------|-----------------|-------------|
| FBBRL | 24 000 | 0.140 | 0.625 |
| FBCRL | 48 000 | 0.418 | 1.000 |
| FBDRL | 76 800 | 0.200 | 1.000 |
| FBXDRL | 105 600 | 0.250 | 1.250 |

Ferrules or lugs not included. Add suffix for desired length, i.e.: FBCRL "-10" for 10 feet roll.

Minimum size conductors for bonding raceways and equipment

| Rating or setting of overcurrent device in circuit ahead of equipment, conduit, etc. Not exceeding — Amperes | Copper Wire Circular Mils |
|--|---------------------------|
| 200 | 26 240 |
| 300 | 41 740 |
| 400 | 52 620 |
| 500 | 66 360 |
| 600 | 83 690 |
| 800 | 105 600 |
| 1 000 | 133 100 |
| 1 200 | 167 800 |
| 1 600 | 211 600 |
| 2 000 | 250 000 |
| 2 500 | 350 000 |
| 3 000 | 400 000 |
| 4 000 | 500 000 |
| 5 000 | 700 000 |
| 6 000 | 800 000 |

Based on table 16 C.E.C.

Minimum size of bare copper grounding conductor

| Maximum available short circuit current amperes | Maximum fault duration with exothermic weld, compression or bolted joint | |
|---|--|--------------------------|
| | 0.5 seconds circular mils | 1.0 second circular mils |
| 5 000 | 26 240 | 47 740 |
| 10 000 | 52 620 | 83 690 |
| 15 000 | 83 690 | 105 600 |
| 20 000 | 105 600 | 167 800 |
| 25 000 | 133 100 | 211 600 |
| 30 000 | 167 800 | 211 600 |
| 35 000 | 211 600 | 250 000 |
| 40 000 | 211 600 | 300 000 |
| 50 000 | 250 000 | 350 000 |
| 60 000 | 300 000 | 500 000 |
| 70 000 | 350 000 | 600 000 |
| 80 000 | 400 000 | 600 000 |
| 90 000 | 500 000 | 700 000 |
| 100 000 | 500 000 | 700 000 |

Based on table 51 C.E.C. Size calculated in accordance with IEEE No.80.