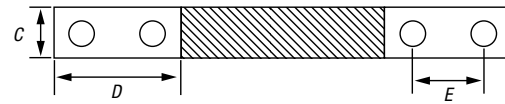


Flexible Braid

Flexible copper braids for use in substation and grounding applications.

Type FB — Flexible Braids

- Tin-plated copper braids and ferrules for high conductivity and corrosion resistance
- Enables linear expansion, equipment vibration and offset connections
- Certified C22.2 No. 41 Grounding & Bonding Equipment
- Listed UL467 and UL486A Grounding & Bonding Equipment



Type FB — Flexible Braids



CAT. NO.†	CIRCULAR MILS	BOLT HOLE	NO. OF BRAIDS IN FERRULE	THICKNESS	DIMENSIONS		
					C	D	E
					FERRULE LENGTH	FERRULE DISTANCE CTR. TO CTR.	
FB12-1*	24000	¼	1	.140	.625	.750	N/A
FBC12-1*	48000	⅜	1	.148	1.000	1.300	N/A
FBD12-1*	76800	⅞	1	.200	1.000	1.300	N/A
FB12*	76800	⅞	1	.200	1.000	2.500	1.25
FB2D12-1*	153600	⅞	2	.250	1.250	1.500	N/A
FB2D12*	153600	⅞	2	.250	1.250	2.500	1.25
FB3D12-1*	230400	⅞	3	.350	1.250	1.500	N/A
FB3D12*	230400	⅞	3	.350	1.250	2.500	1.25
FBXD12-1*	105600	⅞	1	.250	1.250	1.500	N/A
FBXD12*	105600	⅞	1	.250	1.250	2.500	1.25
FB2XD12-1*	211200	⅞	2	.350	1.250	1.500	N/A
FB2XD12	211200	⅞	2	.350	1.250	2.500	1.25
FB3XD12-1*	316800	⅞	3	.400	1.250	1.500	N/A
FB3XD12*	316800	⅞	3	.400	1.250	2.500	1.25
FBE12-1*	168000	⅞	1	.500	1.250	2.500	N/A
FBE12*	168000	⅞	1	.250	1.250	3.500	1.75
FB2E12-1*	336000	⅞	1	.500	1.250	2.500	N/A
FB2E12*	336000	⅞	2	.500	1.250	3.500	1.75
FB3E12	504000	⅞	3	.750	1.250	3.500	1.75
FB4E12	672000	⅞	4	1.000	1.250	3.500	1.75
FBF12	230400	⅞	1	.300	1.500	3.500	1.75
FB2F12	460800	⅞	2	.450	1.500	3.500	1.75
FB3F12	691200	⅞	3	.600	1.625	3.500	1.75
FB4F12	921600	⅞	4	.750	1.625	3.500	1.75
FBG12	307200	⅞	1	.380	1.500	3.500	1.75
FB2G12	614400	⅞	2	.630	1.625	3.500	1.75
FB3G12	921600	⅞	3	.850	1.625	3.500	1.75
FB4G12	1228800	⅞	4	1.000	1.880	3.500	1.75

† Catalog number shown in 12" lengths. Standard lengths offered in 6, 12, 18, 24, 30 and 36 inches (end to end). Change the 12 in the above catalog numbers to the desired length. (-1) indicates one bolt hole per ferrule.

See amperage tables on next page as a reference for grounding and bonding, or continuous current applications. FB4 series is not listed/certified.

For custom flexible braids, contact Customer Service.

Flexible Braid in a Roll — 10-Foot Minimum

CAT. NO.	CIRCULAR MILS.	THICKNESS (IN.)	WIDTH (IN.)
FBRL	24000	.140	.625
FBCRL	48000	.148	1.000
FBDRL	76800	.200	1.000
FBXDRL	105600	.250	1.250

Ferrules or lugs not included.

Flexible Braid

Flexible Braid Selection Guide

Minimum Size Flexible Braid for Continuous-Current Applications

CAT. NO.	CIRCULAR MILS	AMPERAGE CAPACITY
FBB12-1	24000	95
FBC12-1	48000	145
FBD12-1	76800	190
FBD12	76800	190
FB2D12-1	153600	330
FB2D12	153600	630
FB3D12-1	230400	470
FB312	230400	470
FBXD12-1	105600	235
FBXD12	105600	235
FB2XD12-1	211200	400
FB2XD12	211200	400
FB3XD12-1	316800	600
FB3XD12	316800	600



CAT. NO.	CIRCULAR MILS	AMPERAGE CAPACITY
FBE12-1	16800	340
FBE12	16800	340
FB2E12-1	336000	530
FB2E12	336000	530
FB3E12	504000	700
FB4E12	672000	805
FBF12	230400	360
FB2F12	460800	600
FB3F12	691200	820
FB4F12	921600	1000
FBG12	307200	415
FB2G12	614400	700
FB3G12	921600	960
FB4G12	1228800	1200

Grounding and Bonding Applications

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	26240 (6 AWG)
300	41740 (4 AWG)
400	52620 (3 AWG)
500	66360 (2 AWG)
600	83690 (1 AWG)
800	105600 (1/0)
1000	133100 (2/0)
1200	167800 (3/0)
1600	211600 (4/0)
2000	250000
2500	350000
3000	400000
4000	500000
5000	700000
6000	800000

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 .5 SECONDS CIRCULAR MILS	1.0 SECOND CIRCULAR MILS
5 000	26240	41740
10 000	52620	83690
15 000	83690	105600
20 000	105600	167800
25 000	133100	211600
35 000	211600	250000
40 000	211600	300000
50 000	250000	350000
60 000	300000	500000
70 000	350000	600000
80 000	400000	600000
90 000	500000	700000
100 000	500000	700000

Based on table 51 C.E.C.

Size calculated in accordance with IEEE No. 80.