

Tinned Copper Flat Braid



- Flexible Ground Strips
- Connect Moving Parts
- Retrofit Applications
- Bonding Straps

Woven tinned copper braid rolled to specific width. Meets requirements of Fed. Spec. QQ-W-343E Type S and ASTM-B-33. *Values shown are for bare cable in free air at 30°C and intended as a reference guide only. Actual values will depend on permissible temp. rise, permissible voltage drop and other conditions of service.

Stock No.	Mfr.'s Type	Nom. Flat Width (In.)	Nom. Thick (In.)	Braid Construction Total No. of Indiv. Ends	Approx. AWG Equiv.	Nom. Circular Mil Area (CM)	Current Carrying Capacity (Amps*)	PER 100'
708-8068	1229†	1/8	0.020	72	18	1800	16	30.23
708-8071	1230†	3/16	0.020	120	15	3000	25	32.91
708-8074	1231†	1/4	0.030	168	14	4200	32	44.68
708-8077	1232	5/8	0.030	288	12	7200	46	71.52
708-8080	1233/2†	1/2	0.030	384	10	9600	53	90.62
708-8083	1233	3/8	0.030	384	10	9600	53	90.62
708-8086	1234	3/8	0.040	864	7	20800	85	215.79
708-8090	1235	1	0.045	864	7	20800	85	230.91
708Q8091	1239†	1 1/8	0.050	336	5	33700	100	261.79

†Meets QQ-B-575B.

Tinned Copper Oval Braid



- Woven Tinned Copper Braid Manufactured in Tubular Configuration Provides 90% Coverage
- Each Strand Meets Requirements of Fed. Spec. QQ-W-343E and ASTM-B-33
- Appl. Shielding, Cable/Harness Assembly

Stock No.	Mfr.'s Type	Nom. I.D. When Rounded		Braid Construction		Approx. AWG Equiv.	Nom. Circular Mil Area CM	Approx. Current Carrying Capacity (Amps)	PER 100'
		In.	mm	AWG of Indiv. Ends	Total No. of Indiv. Ends				
696-8000	2132	1 1/16	1.59	34	32	19	1192	11	21.22
696-8001	2138	1 1/8	4.37	34	120	14	4770	32	53.53
696-8002	2140	3/16	4.76	34	144	13	5724	38	57.49
696-8003	2142	1/4	6.35	34	168	12	6678	41	69.58
696-8004	2144	3/8	9.53	34	192	11	7632	46	77.56
696-8005	2146	1/2	12.70	34	336	9	13356	62	147.17
696-8006	2148	5/8	15.88	34	384	8	14264	64	160.10
696-8007	2150	1 1/16	17.46	34	480	7	19080	81	197.55
696-8008	2152	25/32	19.84	34	528	7	20988	85	215.83

Standard Put-Up: 2132, 2138 — 100, 500, 1000 Ft.; 2140-2144 — 100, 500 Ft.; 2146-2152 — 100 Ft.

Twisted Lacing Cord and Flat Braid Lacing Tape



Nylon and Dacron Flat Braided Lacing Tape. All types are nylon. All types are designation MIL-T-43435 with variations for type, size, and finish. LC-132 has a finish of synthetic rubber-like resin with non-mercuric fungicidal properties. Melting point is above 190°F. Softens at 140°F but doesn't flow. LC-134 and LC-136 have a finish of micro-crystalline wax with a melting point above 130°F, compounded with a fungicide containing neither copper nor mercury. Soft, pliable and easy to tie. Also meets MIL-T-713 Type P, Class 2. LC-140 has a finish of a special continuous coating of fungistatic synthetic rubber. Knots tied with this finish will not slip. Extremely pliable and soft. LC-143 has a thermoplastic synthetic resin with a melting point above 350°F for use where a "wax free" type is specified. Dry, non-flaking finish. Available in white and black — insert 1 (white) or 2 (black) where X appears in Stock Number.

Stock No.	Mfr.'s Type	Tensile Strength	Nominal Width	Nominal Thickness	Standard Put-Up	PER SPOOL
708-942X	LC-132	50	0.090"	0.014"	500 yds. on spool	53.63
708-943X	LC-134	30	0.062"	0.010"	500 yds. on spool	42.11
708-944X	LC-136	50	0.090"	0.012"	500 yds. on spool	48.92
708-945X	LC-140	50	0.090"	0.014"	500 yds. on spool	47.88
708-946X	LC-143	50	0.090"	0.014"	500 yds. on spool	36.24

Tinned Copper Tubular Braid

- Each Strand Soft Drawn Tinned Copper Wire Meets Fed. Spec. QQ-W-343E and ASTM-B-33
- Shield Coverage Is 95% When Placed Over Mandrel of Equivalent Diameter to That of Braid Interior

Stock No.	Mfr.'s Type	Nom. I.D. When Rounded		Braid Construction		Approx. AWG Equiv.	Nom. Circular Mil Area CM	Approx. Current Carrying Capacity (Amps)	PER 100'
		In.	mm	AWG of Indiv. Ends	Total No. of Indiv. Ends				
696-8010	2160	1/32	0.79	36	24	22	600	7.0	16.28
696-8012	2162	1/16	1.59	36	48	19	1200	11.0	34.27
696-8014	2163	3/64	1.98	36	72	18	1800	16.0	39.76
696-8016	2164	7/64	2.78	36	96	16	2400	19.0	52.49
696-8018	2166	1/8	3.18	36	120	15	3000	25.0	54.73
696-8020	2167	1/32	3.97	36	240	12	6000	40.0	90.62
696-8022	2168	1/16	4.37	36	168	14	4200	32.0	69.75
696-8024	2170	13/64	5.16	34	192	11	7632	46.0	97.06
696-8026	2171	1/4	6.35	36	384	10	9600	53.0	131.25
696-8028	2171/1	9/32	7.14	30	120	9	12060	60.0	136.90
696-8030	2172	3/8	9.53	36	384	10	9600	53.0	135.27
696-8032	2173	7/16	11.11	30	240	6	24120	90.0	223.18
696-8034	2174	1/2	12.70	36	528	9	13200	62.0	185.46
696-8036	2175	9/16	14.29	30	480	3	48240	145.0	342.35
696-8038	2175/1	1/32	16.67	30	768	1	77180	190.0	524.81
696-8040	2176	25/32	19.84	36	864	7	21600	88.0	251.00
696-8042	2178	1	25.4	30	384	4	38600	120.0	444.09

Standard Put-Up: 2160-2168 — 100 Ft., 250 Ft.; 2170-2176 — 100 Ft. only.

Tinned Copper Bus Bar



- MIL-W-3861* Type S
- QQ-W-343 Type S
- ASTM-B-33

Electrolytic, soft drawn and annealed, solid tin-plated copper. MIL-W-3861 Type S, QQ-W-343 Type S, ASTM-B-33. *No longer a current military specification.

Mfr.'s Type	Cond. AWG	Nom. Circular Mil Area, CM	Nom. O.D.		100'		1000'	
			In.	mm	Stock No.	EACH	Stock No.	EACH
286	14	4110	0.065	1.62	708-8052	35.71	708Q8053	264.05
295	16	2580	0.051	1.30	708-8054	23.54	708-8055	179.54
296	18	1620	0.040	1.02	708-8056	16.61	708-8057	116.45
297	20	1020	0.032	0.81	708-8058	12.81	708-8059	81.99
298	22	640	0.025	0.63	708-8060	10.34	708-8061	61.72
299	24	404	0.020	0.51	708-8062	10.06	708-8063	47.51
299/1	26	253	0.016	0.41	708-8064	9.81	708-8065	45.18
299/2	28	159	0.013	0.33	708-8066	9.69	708-8067	39.33

Test Lead Wire

- Conductor: Stranded Tinned Copper
- Insulation: Color Coded Rubber
- Temperature Range: -30°C to +90°C
- Colors Available: 2 — Black; 3 — Red; Insert 2 or 3 Where N Appears in Stock Number

Mfr.'s Type	Conductor		Nom. Ins. Thick	Voltage Breakdown	Sugg. Working Voltage	Nominal O.D.	100'		500'		1000'	
	AWG	Strand					Stock No.	EACH	Stock No.	EACH	Stock No.	EACH
1632	20	41/36	0.040	6000	1500 V	0.125" (3.18 mm)	696-790N	32.99	696-791N	135.95	696Q792N	239.48
1635	20	41/36	0.047	12000	3000 V	0.140" (3.56 mm)	696-787N	35.35	696-788N	147.49	696Q789N	260.25
1636	18	65/36	0.045	20000	5000 V	0.140" (3.56 mm)	696-796N	39.49	696-797N	145.23	696Q798N	264.05
1638	18	65/36	0.090	29000	10000 V	0.230" (5.84 mm)	696-784N	54.28	696Q785N	223.73	696Q786N	491.50

Copper Shielding Tape



- UL Standard 510
- MIL-Standard 202C
- Highly Conductive Pressure Sensitive Adhesive
- Oxidation Resistant Conductive Particles in Adhesive Produce Very Low Resistance Through Tape
- ASTM-D-1000
- UL Recognized

Provides a low impedance connection between metal connector backshell and the braided cable shield in molded cables. An effective EMI/RFI shielded cable assembly can be achieved without soldering the tape to the braid or backshell (a tin-plated backshell is recommended). Provides electrical contact to surfaces that cannot be soldered such as conductive plastic. (EMI/RFI shielding of cables by wrapping the tape around the cable. (Recommend 40-50% overlap). Provides electrical continuity in seams of EMI/RFI shielded rooms. Draining of static charges. Bus bar application. **Specifications. Tensile Strength:** 21 lbs./in. **Adhesion:** 40 oz./in. **Thickness:** .003 in. **Flammability:** Flame retardant per UL Standard 510. **Electrical Resistance Through Tape:** .003 ohms/in. **Shielding Effectiveness:** 50 dB.

Stock No.	Mfr.'s Type	Width		Length	EACH
		In.	mm		
708-8092	CST-5	1/2	12.7	36 yards	78.17
708-8093	CST-10	1	25.4	36 yards	163.16
708-8094	CST-15	1 1/2	38.1	36 yards	102.22
708Q8095	CST-20	2	50.8	36 yards	317.63