

ROME CONCENTRIC STRANDED COPPER CONDUCTOR

STANDARDS:

1. Conforms to ASTM B-8 for "Concentric-Lay-Stranded Copper Conductors, Hard, Medium-Hard, or Soft".
2. Conforms to Federal Standard QQ-W-343.

CONSTRUCTION: Stranded uncoated copper in hard, medium or soft tempers.



Size AWG	Cross Sectional Area Circular Mils	Nominal Diameter Inches	Approx. Net Wt. Lb./1000 Ft.	Class A		Class B		Class C	
				No. of Wires	Nominal Diameter of Wires Inches	No. of Wires	Nominal Diameter of Wires Inches	No. of Wires	Nominal Diameter of Wires Inches
20	1,020	0.0363	3.15	..	....	7	.0121	19	.0073
18	1,620	0.0456	5.01	..	....	7	.0152	19	.0092
16	2,580	0.0576	7.97	..	....	7	.0192	19	.0117
14	4,110	0.0726	12.68	..	....	7	.0242	19	.0147
12	6,530	0.0915	20.16	..	....	7	.0305	19	.0185
10	10,380	0.116	32.06	..	....	7	.0385	19	.0234
9	13,090	0.130	40.42	..	....	7	.0432	19	.0262
8	16,510	0.146	50.97	..	....	7	.0486	19	.0295
7	20,820	0.164	64.28	..	....	7	.0545	19	.0331
6	26,240	0.184	81.05	..	....	7	.0612	19	.0372
5	33,090	0.206	102.2	..	....	7	.0688	19	.0417
4	41,740	0.232	128.9	7	.0772	7	.0772	19	.0469
3	52,620	0.260	162.5	7	.0867	7	.0867	19	.0526
2	66,360	0.292	204.9	7	.0974	7	.0974	19	.0591
1	83,690	0.332	258.4	7	.1093	19	.0664	37	.0476
0	105,600	0.373	325.8	7	.1228	19	.0745	37	.0534
00	133,100	0.419	410.9	7	.1379	19	.0837	37	.0600
000	167,800	0.470	518.1	7	.1548	19	.0940	37	.0673
0000	211,600	0.528	653.3	7	.1739	19	.1055	37	.0756
..	250,000	0.575	771.9	19	.1147	37	.0822	61	.0640
..	300,000	0.630	926.3	19	.1257	37	.0900	61	.0701
..	350,000	0.681	1081	19	.1357	37	.0973	61	.0757
..	400,000	0.728	1235	19	.1451	37	.1040	61	.0810
..	450,000	0.772	1389	37	.1103	37	.1103	61	.0859
..	500,000	0.813	1544	37	.1162	37	.1162	61	.0905
..	550,000	0.855	1698	37	.1219	61	.0950	91	.0777
..	600,000	0.893	1853	37	.1273	61	.0992	91	.0812
..	650,000	0.929	2007	61	.1032	61	.1032	91	.0845
..	700,000	0.964	2161	61	.1071	61	.1071	91	.0877
..	750,000	0.998	2316	61	.1109	61	.1109	91	.0908
..	800,000	1.031	2470	61	.1145	61	.1145	91	.0938
..	900,000	1.094	2779	61	.1215	61	.1215	91	.0994
..	1,000,000	1.152	3088	61	.1280	61	.1280	91	.1048
..	1,100,000	1.209	3396	61	.1343	91	.1099	127	.0931
..	1,200,000	1.263	3705	61	.1403	91	.1148	127	.0972
..	1,250,000	1.289	3859	61	.1431	91	.1172	127	.0992
..	1,300,000	1.315	4014	61	.1460	91	.1195	127	.1012
..	1,400,000	1.364	4323	61	.1515	91	.1240	127	.1050
..	1,500,000	1.412	4631	61	.1568	91	.1284	127	.1087
..	1,600,000	1.459	4940	91	.1326	127	.1122	169	.0973
..	1,700,000	1.504	5249	91	.1367	127	.1157	169	.1003
..	1,750,000	1.526	5403	91	.1387	127	.1174	169	.1018
..	1,800,000	1.548	5558	91	.1406	127	.1191	169	.1032
..	1,900,000	1.590	5866	91	.1445	127	.1223	169	.1060
..	2,000,000	1.632	6175	91	.1482	127	.1255	169	.1088

NOTES: 1. Tinned or alloy coated conductor is available on request.

Information on this sheet subject to change without notice.

Specification

ROME CONCENTRIC STRANDED COPPER CONDUCTOR

1. SCOPE

1.1 This specification describes stranded uncoated copper wire in hard, medium hard or soft annealed tempers for all applicable uses.

2. STANDARDS

2.1 American Society for Testing Materials, ASTM B-8, latest revision, Concentric-Lay-Stranded Copper Conductors.
2.2 Federal Specification QQ-W-343E or latest revision, Wire, Electrical, Uninsulated.

3. CONDUCTOR

3.1 Conductor strands shall be assembled in accordance with the requirements of ASTM B-8.

4. TESTS

4.1 Conductors shall be tested to insure conformance to the ASTM and federal standards. Certified Test Reports may be furnished if requested prior to manufacture.

5. PACKAGING

5.1 The conductor shall be packaged in accordance with standard commercial practice.