

Resistivity 1.45 Ω mm²/m. Density 7.10 g/cm³.
To obtain the Ohmic value at operating temperature, multiply the resistance at 20 °C by the coefficient Ct.
For imperial values (SWG, B&S etc.), please refer to conversion table page 115

°C	20	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300
Ct	1.45	1.00	1.00	1.00	1.01	1.01	1.02	1.02	1.03	1.03	1.04	1.04	1.04	1.04

Diameter mm	Resistance at 20°C Ω/m	Tolerance %	Minimum value	Maximum value	Weight per length g/m	Length per weight m/Kg	Resistance per weight Ω/Kg	Surface area cm²/m	Cross section mm²
0.10	184.7134	± 5%	175.4777	193.9491	0.0557	17942.05	3 314 136	3.141	0.0079
0.11	152.6557	± 5%	145.0229	160.2885	0.0674	14828.14	2 263 600	3.455	0.0095
0.12	128.2732	± 5%	121.8595	134.6869	0.0803	12459.75	1 598 252	3.769	0.0113
0.13	109.2979	± 5%	103.8330	114.7628	0.0942	10616.60	1 160 371	4.084	0.0133
0.14	94.2415	± 5%	89.5294	98.9536	0.1092	9154.11	862 697	4.398	0.0154
0.15	82.0948	± 5%	77.9901	86.1995	0.1254	7974.24	654 644	4.712	0.0177
0.16	72.1537	± 5%	68.5460	75.7614	0.1427	7008.61	505 697	5.026	0.0201
0.17	63.9147	± 5%	60.7190	67.1104	0.1611	6208.32	396 803	5.340	0.0227
0.18	57.0103	± 5%	54.1598	59.8608	0.1806	5537.67	315 704	5.654	0.0254
0.19	51.1671	± 5%	48.6087	53.7255	0.2012	4970.10	254 306	5.968	0.0283
0.20	46.1783	± 5%	43.8694	48.4872	0.2229	4485.51	207 134	6.282	0.0314
0.22	38.1639	± 5%	36.2557	40.0721	0.2698	3707.03	141 475	6.911	0.0380
0.25	29.5541	± 5%	28.0764	31.0318	0.3483	2870.73	84 842	7.853	0.0491
0.28	23.5604	± 5%	22.3824	24.7384	0.4370	2288.53	53 919	8.795	0.0615
0.30	20.5237	± 5%	19.4975	21.5499	0.5016	1993.56	40 915	9.423	0.0707
0.32	18.0384	± 5%	17.1365	18.9403	0.5707	1752.15	31 606	10.052	0.0804
0.35	15.0786	± 5%	14.3247	15.8325	0.6828	1464.66	22 085	10.994	0.0962
0.38	12.7918	± 5%	12.1522	13.4314	0.8048	1242.52	15 894	11.936	0.1134
0.40	11.5446	± 5%	10.9674	12.1218	0.8918	1121.38	12 946	12.565	0.1256
0.42	10.4713	± 5%	9.9477	10.9949	0.9832	1017.12	10 651	13.193	0.1385
0.45	9.1216	± 5%	8.6655	9.5777	1.1286	886.03	8 082	14.135	0.1590
0.48	8.0171	± 5%	7.6162	8.4180	1.2841	778.73	6 243	15.078	0.1809
0.50	7.3885	± 5%	7.0191	7.7579	1.3934	717.68	5 303	15.706	0.1963
0.55	6.1062	± 3%	5.9230	6.2894	1.6860	593.13	3 622	17.276	0.2375
0.60	5.1309	± 3%	4.9770	5.2848	2.0065	498.39	2 557	18.847	0.2826
0.65	4.3719	± 3%	4.2407	4.5031	2.3548	424.66	1 857	20.418	0.3317
0.70	3.7697	± 3%	3.6566	3.8828	2.7310	366.16	1 380	21.988	0.3847
0.75	3.2838	± 3%	3.1853	3.3823	3.1351	318.97	1 047	23.559	0.4416
0.80	2.8861	± 3%	2.7995	2.9727	3.5670	280.34	809	25.129	0.5024
0.85	2.5566	± 3%	2.4799	2.6333	4.0269	248.33	635	26.700	0.5672
0.90	2.2804	± 3%	2.2120	2.3488	4.5145	221.51	505	28.270	0.6359
0.95	2.0467	± 3%	1.9853	2.1081	5.0301	198.80	407	29.841	0.7085
1.00	1.8471	± 3%	1.7917	1.9025	5.5735	179.42	331	31.412	0.7850
1.10	1.5266	± 3%	1.4808	1.5724	6.7439	148.28	226	34.553	0.9499
1.20	1.2827	± 3%	1.2442	1.3212	8.0258	124.60	160	37.694	1.1304
1.30	1.0930	± 3%	1.0602	1.1258	9.4192	106.17	116	40.835	1.3267
1.40	0.9424	± 3%	0.9141	0.9707	10.9241	91.54	86	43.976	1.5386
1.50	0.8209	± 3%	0.7963	0.8455	12.5404	79.74	65	47.117	1.7663
1.60	0.7215	± 3%	0.6999	0.7431	14.2682	70.09	51	50.259	2.0096
1.70	0.6391	± 3%	0.6199	0.6583	16.1074	62.08	40	53.400	2.2687
1.80	0.5701	± 3%	0.5530	0.5872	18.0581	55.38	32	56.541	2.5434
1.90	0.5117	± 3%	0.4963	0.5271	20.1203	49.70	25	59.682	2.8339
2.00	0.4618	± 3%	0.4479	0.4757	22.2940	44.86	21	62.823	3.1400
2.25	0.3649	± 3%	0.3540	0.3758	28.2158	35.44	13	70.676	3.9741
2.50	0.2955	± 3%	0.2866	0.3044	34.8344	28.71	8.48	78.529	4.9063
2.80	0.2356	± 3%	0.2285	0.2427	43.6962	22.89	5.39	87.952	6.1544
3.00	0.2052	± 3%	0.1990	0.2114	50.1615	19.94	4.09	94.235	7.0650
3.25	0.1749	± 3%	0.1697	0.1801	58.8701	16.99	2.97	102.088	8.2916
3.50	0.1508	± 3%	0.1463	0.1553	68.2754	14.65	2.21	109.941	9.6163
3.80	0.1279	± 3%	0.1241	0.1317	80.4813	12.43	1.59	119.364	11.3354
4.00	0.1154	± 3%	0.1119	0.1189	89.1760	11.21	1.29	125.646	12.5600
4.50	0.0912	± 3%	0.0885	0.0939	112.8634	8.860	0.81	141.352	15.8963
5.00	0.0739	± 3%	0.0717	0.0761	139.3375	7.18	0.53	157.058	19.6250
5.50	0.0611	± 3%	0.0593	0.0629	168.5984	5.931	0.36	172.764	23.7463
6.00	0.0513	± 3%	0.0498	0.0528	200.6460	4.98	0.26	188.470	28.2600