

Heavy Build Magnet Wire



Magnet Wire Sizes (awg)	4	5	6	7	8	9	10	11	12
Min. Increase in Film	0.0037	0.0037	0.0036	0.0035	0.0035	0.0034	0.0034	0.0033	0.0032
	<i>Min.</i>	0.2060	0.1838	0.1640	0.1464	0.1307	0.1167	0.1043	0.0931
Overall Diameter - Ins.	<i>Nom.</i>	0.2079	0.1856	0.1656	0.1478	0.1320	0.1179	0.1054	0.0942
	<i>Max.</i>	0.2098	0.1873	0.1672	0.1492	0.1332	0.1190	0.1064	0.0952
Nom. Ohms/LB -20C		0.0020	0.0031	0.0050	0.0079	0.0126	0.0200	0.0318	0.0506
Feet/LB		7.87	9.92	12.50	15.75	19.84	25.01	31.49	39.69

Magnet Wire Sizes (awg)	13	14	15	16	17	18	19	20	21
Min. Increase in Film	0.0032	0.0032	0.0030	0.0029	0.0028	0.0026	0.0025	0.0024	0.0022
	<i>Min.</i>	0.0745	0.0667	0.0595	0.0532	0.0476	0.0425	0.0380	0.0304
Overall Diameter - Ins.	<i>Nom.</i>	0.0754	0.0675	0.0603	0.0538	0.0482	0.0431	0.0385	0.0310
	<i>Max.</i>	0.0762	0.0682	0.0610	0.0545	0.0488	0.0437	0.0391	0.0315
Nom. Ohms/LB -20C		0.1273	0.1997	0.3168	0.5050	0.7977	1.2710	2.0160	3.1860
Feet/LB		62.82	79.11	99.60	125.60	157.80	199.00	250.50	314.60

Magnet Wire Sizes (awg)	22	23	24	25	26	27	28	29	30
Min. Increase in Film	0.0021	0.0020	0.0019	0.0018	0.0017	0.0016	0.0016	0.0015	0.0013
	<i>Min.</i>	0.0271	0.0244	0.0218	0.0195	0.0174	0.0157	0.0141	0.0112
Overall Diameter - Ins.	<i>Nom.</i>	0.0276	0.0249	0.0223	0.0199	0.0178	0.0161	0.0144	0.0116
	<i>Max.</i>	0.0281	0.0253	0.0227	0.0203	0.0182	0.0165	0.0147	0.0119
Nom. Ohms/LB -20C		8.13	12.73	20.29	32.21	51.59	80.70	129.90	200.30
Feet/LB		501.50	626.70	790.40	995	1258	1569	1989	2466

Magnet Wire Sizes (awg)	31	32	33	34	35	36	37	38	39
Min. Increase in Film	0.0012	0.0011	0.0010	0.0009	0.0009	0.0008	0.0007	0.0007	0.0006
	<i>Min.</i>	0.0100	0.0090	0.0080	0.0071	0.0064	0.0057	0.0051	0.0040
Overall Diameter - Ins.	<i>Nom.</i>	0.0104	0.0094	0.0084	0.0075	0.0067	0.0060	0.0054	0.0042
	<i>Max.</i>	0.0108	0.0098	0.0088	0.0078	0.0070	0.0063	0.0057	0.0045
Nom. Ohms/LB -20C		517	790	1270	2049	3273	5140	7822	12507
Feet/LB		3949	4875	6174	7840	9898	12390	15273	19296

Magnet Wire Sizes (awg)	40	41	42	43	44	45	46		
Min. Increase in Film	0.0005	0.0005	0.0005	0.0004	0.0004	0.0004	0.0003		
	<i>Min.</i>	0.0035	0.0032	0.0029	0.0025	0.0023	0.0021	0.0018	
Overall Diameter - Ins.	<i>Nom.</i>	0.0038	0.0034	0.0031	0.0027	0.0025	0.0022	0.0020	
	<i>Max.</i>	0.0040	0.0036	0.0033	0.0029	0.0027	0.0024	0.0021	
Nom. Ohms/LB -20C		34557	51954	81251	135517	197304	325855	520304	
Feet/LB		32021	39275	48965	63244	76098	97326	123662	