

Conductor Measurements Prior to Winding

(Measurements taken every 2 inches)

Conductor: Reverse twisted conductor 0.660 x 0.539"

Insulation scheme: (1) half lapped layer 0.007" thick glass

NUMBER	HEIGHT	WIDTH	LAY
1	0.705	0.582	NO.5
2	0.708	0.577	PA.5
3	0.706	0.576	B1
4	0.704	0.575	D1
5	0.707	0.579	F1
6	0.702	0.577	H1
7	0.705	0.577	IJ1
8	0.705	0.577	KL1
9	0.709	0.578	M1
10	0.708	0.576	O1
11	0.712	0.579	PA1
12	0.707	0.578	B2
13	0.703	0.575	CD2
14	0.708	0.578	E2
15	0.705	0.581	FG2
16	0.71	0.576	H2
17	0.708	0.575	IJ2
18	0.707	0.576	K2
19	0.706	0.583	LM2
20	0.712	0.581	N2
21	0.712	0.582	OP2
22	0.715	0.58	PA2
23	0.708	0.578	B3
24	0.708	0.574	C3
25	0.707	0.581	DE3
26	0.712	0.579	EF3
27	0.705	0.575	G3
28	0.703	0.577	HI3
29	0.712	0.578	IJ3
30	0.711	0.577	JK3
31	0.706	0.583	L3
32	0.715	0.583	MN3
33	0.707	0.583	NO3
34	0.71	0.578	OP3
35	0.709	0.579	A4
36	0.706	0.574	B4
37	0.705	0.579	C4
38	0.706	0.575	DE4
39	0.705	0.578	EF4

NUMBER	HEIGHT	WIDTH	LAY
40	0.71	0.58	FG4
41	0.717	0.581	GH4
42	0.705	0.581	HI4
43	0.709	0.585	J4
44	0.71	0.582	K4
45	0.71	0.578	L4
46	0.703	0.58	M4
47	0.707	0.584	N4
48	0.71	0.578	OP4
49	0.71	0.585	PA4
50	0.712	0.582	AB5
51	0.705	0.579	BC5
52	0.709	0.572	C5
53	0.713	0.576	D5
54	0.707	0.561	E5
55	0.712	0.571	F5
56	0.71	0.573	G5
57	0.715	0.575	H5
58	0.713	0.578	I5
59	0.71	0.579	J5
60	0.71	0.569	K5
61	0.712	0.575	L5
62	0.718	0.579	M5
63	0.708	0.571	N5
64	0.707	0.575	O5
65	0.71	0.572	P5
66	0.714	0.582	A6
67	0.71	0.5774	AB6
68	0.716	0.579	BC6
69	0.711	0.568	CD6
70	0.713	0.679	DE6
71	0.715	0.573	EF6
72	0.714	0.567	F6
73	0.71	0.575	G6
74	0.715	0.572	H6
75	0.71	0.57	I6
76	0.712	0.575	IJ6
77	0.714	0.576	JK6
78	0.715	0.572	KL6

NUMBER	HEIGHT	WIDTH	LAY
79	0.719	0.579	LM6
80	0.719	0.576	M6
81	0.711	0.568	N6
82	0.706	0.572	O6
83	0.718	0.58	OP6
84	0.715	0.576	PA6
85	0.715	0.573	AB7
86	0.727	0.575	B7
87	0.717	0.576	C7
88	0.71	0.572	CD7
89	0.708	0.577	DE7
90	0.712	0.579	EF7
91	0.704	0.577	FG7
92	0.712	0.579	G7
93	0.714	0.58	H7
94	0.71	0.582	HI7
95	0.714	0.575	IJ7
96	0.709	0.705	JK7
97	0.705	0.572	K7
98	0.709	0.575	L7
99	0.709	0.574	LM7
100			

Conductor Measurements After Winding- Outside Edge of Coil to 5" Diameter Hub

Conductor wound in easy direction

	START POINT											
ROW	A	B	C	D	E	F	G	H	I	J	K	L
1	0.629	0.627	0.61	0.615	0.588	0.606	0.6	0.61	0.59	0.594	0.595	0.61
2	1.162	1.192	1.176	1.192	1.189	1.192	1.17	1.162	1.164	1.194	1.2	1.178
3	1.719	1.777	1.764	1.776	1.77	1.778	1.776	1.767	1.748	1.758	1.77	1.765
4	2.396	2.4	2.343	2.349	2.35	2.36	2.365	2.348	2.34	2.368	2.364	2.35
5	2.898	2.932	2.954	2.949	2.936	2.926	2.942	2.95	2.945	2.944	2.94	2.95
6	3.503	3.533	3.526	3.508	3.508	3.535	3.947	3.527	3.521	3.524	3.524	3.523
7	4.596	4.1	4.124	4.105	4.084	4.084	4.101	4.112	4.102	4.122	4.114	4.136

Conductor Measurements After Winding- Top Edge of Coil to Base Plate of 5" Diameter Hub

	START POINT											
ROW	A	B	C	D	E	F	G	H	I	J	K	L
1	0.788	0.787	0.767	0.787	0.793	0.786	0.784	0.795	0.797	0.79	0.774	0.787
2	0.775	0.755	0.744	0.741	0.756	0.731	0.742	0.758	0.756	0.739	0.742	0.751
3	0.735	0.745	0.732	0.744	0.743	0.726	0.735	0.759	0.734	0.741	0.75	0.747
4	0.726	0.743	0.735	0.735	0.743	0.748	0.754	0.754	0.737	0.734	0.73	0.735
5	0.743	0.75	0.736	0.738	0.746	0.742	0.747	0.752	0.757	0.75	0.733	0.745
6	0.752	0.755	0.735	0.735	0.745	0.743	0.745	0.749	0.749	0.74	0.729	0.744
7	0.751	0.756	0.753	0.734	0.736	0.748	0.742	0.751	0.732	0.734	0.725	0.731