

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	0.57	0.701	NO.5
2	0.567	0.71	P.5
3	0.578	0.705	B1
4	0.585	0.701	D1
5	0.573	0.71	F1
6	0.574	0.719	GH1
7	0.572	0.701	IJ1
8	0.573	0.711	K1
9	0.573	0.709	M1
10	0.575	0.706	NO1
11	0.575	0.716	P1
12	0.581	0.708	AB2
13	0.575	0.71	C2
14	0.574	0.709	DE2
15	0.579	0.712	F2
16	0.575	0.708	GH2
17	0.574	0.71	HI2
18	0.576	0.704	J2
19	0.574	0.708	KL2
20	0.576	0.708	M2
21	0.572	0.707	NO2
22	0.572	0.707	OP2
23	0.575	0.71	A3
24	0.572	0.71	B3
25	0.572	0.707	CD3
26	0.572	0.706	DE3
27	0.576	0.707	EF3
28	0.579	0.71	G3
29	0.579	0.709	H3
30	0.574	0.708	IJ3
31	0.578	0.7	JK3
32	0.575	0.708	KL3
33	0.579	0.708	M3
34	0.583	0.719	N3
35	0.586	0.712	O3
36	0.576	0.709	P3
37	0.581	0.705	AB4
38	0.575	0.706	BC4
39	0.577	0.703	CD4

NUMBER	HEIGHT	WIDTH	LAY
40	0.58	0.715	DE4
41	0.579	0.714	EF4
42	0.577	0.712	FG4
43	0.582	0.715	GH4
44	0.582	0.717	HI4
45	0.578	0.714	IJ4
46	0.579	0.714	JK4
47	0.572	0.712	KL4
48	0.575	0.712	LM4
49	0.581	0.714	MN4
50	0.584	0.712	NO4
51	0.584	0.709	OP4
52	0.583	0.711	PA4
53	0.58	0.715	AB5
54	0.582	0.709	BC5
55	0.587	0.714	CD5
56	0.583	0.711	DE5
57	0.587	0.717	E5
58	0.582	0.716	F5
59	0.577	0.713	G5
60	0.576	0.715	GH5
61	0.576	0.708	HI5
62	0.58	0.709	IJ5
63	0.585	0.716	JK5
64	0.59	0.719	KL5
65	0.592	0.713	LM5
66	0.586	0.717	MN5
67	0.59	0.714	N5
68	0.591	0.717	O5
69	0.59	0.715	OP5
70	0.587	0.715	PA5
71	0.59	0.716	AB6
72	0.59	0.719	B6
73	0.59	0.722	C6
74	0.582	0.72	CD6
75	0.585	0.715	DE6
76	0.586	0.714	EF6
77	0.584	0.72	FG6
78	0.586	0.716	G6

NUMBER	HEIGHT	WIDTH	LAY
79	0.587	0.716	GH6
80	0.586	0.719	HI6
81	0.582	0.717	IJ6
82	0.585	0.721	JK6
83	0.58	0.711	K6
84	0.585	0.717	KL6
85	0.596	0.721	LM6
86	0.592	0.718	MN6
87	0.595	0.72	N6
88	0.586	0.711	O6
89	0.585	0.713	OP6
90	0.582	0.713	PA6
91	0.582	0.708	A7
92	0.583	0.718	AB7
93	0.588	0.716	BC7
94	0.586	0.714	CD7
95	0.583	0.71	D7
96	0.581	0.71	DE7
97	0.59	0.708	EF7
98	0.579	0.708	F7
99	0.585	0.708	G7
100	0.587	0.704	GH7
101	0.583	0.71	HI7
102	0.586	0.71	I7
103	0.591	0.716	J7
104	0.584	0.713	JK7
105	0.578	0.711	KL7
106	0.578	0.714	L7

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

	START POINT	Conductor wound in Hard direction										
ROW	A	B	C	D	E	F	G	H	I	J	K	L
1	0.736	0.722	0.712	0.708	0.68	0.696	695	0.705	0.705	0.705	0.706	0.73
2	1.389	1.368	1.359	1.378	1.391	1.383	1.36	1.378	1.387	1.387	1.386	1.393
3	2.068	2.062	2.139	2.048	2.06	2.056	2.055	2.082	2.042	2.058	2.048	2.088
4	2.768	2.756	2.734	2.724	2.748	2.762	2.748	2.752	2.765	2.777	2.75	2.775
5	3.448	3.475	3.44	3.423	3.456	3.456	3.485	3.478	3.448	3.468	3.453	3.498
6	4.171	4.165	4.134	4.171	4.178	4.196	4.207	4.168	4.173	4.182	4.16	4.164
7	4.858	4.9	4.855	4.853	4.861	4.877	4.91	4.888	4.888	4.179	4.904	4.912

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	0.694	0.709	0.671	0.686	0.698	0.688	0.662	0.654	0.677	0.694	0.656	0.663
2	0.684	0.651	0.649	0.648	0.662	0.675	0.658	0.643	0.658	0.662	0.643	0.645
3	0.654	0.631	0.625	0.638	0.66	0.656	0.65	0.637	0.65	0.649	0.627	0.63
4	0.633	0.632	0.612	0.621	0.626	0.634	0.62	0.617	0.634	0.637	0.61	0.616
5	0.622	0.63	0.624	0.632	0.623	0.631	0.618	0.619	0.629	0.633	0.618	0.615
6	0.609	0.618	0.627	0.62	0.631	0.631	0.606	0.613	0.624	0.623	0.602	0.607
7	0.615	0.617	0.624	0.609	0.614	0.609	0.612	0.601	0.614	0.626	0.602	0.611