Winding Data

Core Size	Window Area[a]		Wire Length / Turn				Wound Dimension[c] OD×HT(Max)		Surface Area (cm²)	
			100% (unity)[b]		0%					
	Cir-Mils	cm²	ft	cm	ft	cm	inch	mm	after finish	40% winding factor
035	3,600	0.018	0.0229	0.698	0.0195	0.594	0.195×0.108	4.95×2.74	0.47	0.61
039	6,080	0.0308	0.0344	1.049	0.0293	0.894	0.227×0.187	5.77×4.75	0.74	0.93
046	5,780	0.029	0.0375	1.143	0.0324	0.988	0.262×0.195	6.65×4.94	0.90	1.13
063	8,100	0.0412	0.0442	1.348	0.0379	1.156	0.347×0.212	8.81×5.38	1.7	2.03
066	8,100	0.0412	0.0435	1.327	0.0371	1.132	0.359×0.202	9.12×5.13	1.7	2.06
067	7,570	0.0384	0.0575	1.754	0.0531	1.620	0.361×0.292	9.17×7.42	2.4	2.76
068	18,500	0.0934	0.0586	1.786	0.0512	1.561	0.378×0.394	9.60×10.01	2.7	3.31
078	18,200	0.0922	0.0524	1.598	0.0417	1.272	0.433×0.265	11.0×6.73	2.4	3.04
096	28,200	0.1429	0.0588	1.793	0.0448	1.366	0.526×0.293	13.4×7.44	3.1	4.14
097	28,200	0.1429	0.0632	1.928	0.0498	1.519	0.526×0.323	13.4×8.20	3.5	4.47
102	32,400	0.164	0.0651	1.986	0.0504	1.537	0.554×0.333	14.1×8.46	3.7	4.85
112	53,800	0.273	0.0720	2.195	0.0507	1.545	0.618×0.353	15.7×9.0	4.3	6.05
127	75,600	0.383	0.0815	2.49	0.0574	1.751	0.717×0.451	18.2×11.5	5.6	8.00
166	140,600	0.713	0.1057	3.22	0.0721	2.20	0.932×0.599	23.7×15.2	9.3	13.66
172	126,000	0.638	0.1204	3.67	0.0763	2.33	0.980×0.641	24.9×16.3	9.9	13.91
203	225,600	1.14	0.1204	3.67	0.0763	2.33	1.148×0.684	29.2×17.4	12.1	18.95
229	277,700	1.41	0.1405	4.29	0.0886	2.70	1.283×0.778	32.6×19.8	15.7	24.13
234	293,800	1.49	0.1473	4.49	0.0982	3.00	1.319×0.843	33.5×21.4	17.9	26.78
270	308,000	1.56	0.1714	5.23	0.1233	3.76	1.468×0.944	37.3×24.0	24.7	34.42
330	577,600	2.93	0.1943	5.93	0.1238	3.78	1.840×1.103	46.7×28.0	31.5	49.01
343	788,500	4.01	0.1923	5.87	0.1059	3.23	1.974×1.142	50.1×29.0	29.3	52.34
358	719,100	3.64	0.204	6.22	0.1238	3.78	2.01×1.165	51.1×29.6	34.5	56.09
400	842,700	4.27	0.242	7.38	0.1578	4.81	2.22×1.385	56.4×35.2	48.4	73.77
467	842,700	4.27	0.284	8.66	0.204	6.22	2.51×1.525	63.8×38.7	69.2	96.50
468	1,206,000	6.11	0.273	8.34	0.1706	5.20	2.61×1.568	66.3×39.8	61.6	97.79
508	1,484,000	7.50	0.279	8.51	0.1623	4.95	2.85×1.600	72.4×40.6	64.2	108.52
571	1,014,049	5.14	0.296	9.02	0.212	6.46	2.98×1.34	75.7×34.0	84.8	120.40
572	1,871,000	9.48	0.306	9.33	0.1739	5.30	3.20×1.748	81.3×44.4	77.2	133.19
777	3,550,000	17.99	0.340	10.40	0.193	5.90	4.40×2.14	112.0×54.3	117.3	224.42

※ a : Window Area (=π/4×ID²), b : Winding Factor (k= Usable window area/Total window area), c : 100% Winding Assumed

Single Layer Winding Capacity

Core Size	046	063 066 078 096 097			102	112	127	166	172	203	229	234	270	330	343	358	400 467	468	508	571	572	610	777
ID(mm)	1.93	2.29	3.45	4.27	4.57	5.89	6.99	9.53	9.02	12.07	13.39	13.77	14.10	19.30	22.60	21.50	23.30	27.90	30.90	25.60	34.70	31.37	48.00
Wire No.	Wire Dia	Turns / Single Layer																					
10	2.67																	26	30	26	37	35	53
11	2.38																	30	33	30	42	39	60
12	2.13							10	9	13	15	15	16	23	27	25	22	34	38	34	48	44	67
13	1.90							11	10	15	17	17	18	26	30	29	25	38	43	39	54	50	76
14	1.71							13	12	17	19	20	20	29	34	32	28	43	48	43	60	56	84
15	1.53						10	15	14	19	22	22	23	32	38	37	31	48	54	49	68	63	95
16	1.37					9	11	17	16	22	25	25	26	37	43	41	35	54	60	55	76	71	106
17	1.22					11	13	19	18	25	28	29	29	41	49	46	40	61	68	62	85	80	119
18	1.09				9	12	15	21	20	28	31	32	33	46	55	52	45	68	76	70	96	90	134
19	0.98			9	10	14	17	24	23	32	35	36	37	52	61	58	50	77	85	78	108	101	150
20	0.88			11	12	16	19	27	26	35	40	41	42	58	69	65	57	86	95	88	120	113	168
22	0.70		11	14	15	21	25	35	33	45	50	52	53	74	87	82	71	108	120	111	152	143	211
24	0.56	8	14	18	20	26	31	44	41	56	63	65	66	92	108	103	90	134	149	138	189		
26	0.45	9	11	18	23	25	33	40	55	52	71	79	81	83	115	135	129	112	168	186	174	237	
28	0.36	12	14	23	29	32	42	50	69	65	89	99	101	104	143	168	160	140					
30	0.29	15	19	29	37	40	52	63															
32	0.24	19	23	36	46	49	64	77															
34	0.19	25	30	46	58	62																	
36	0.15	31	38	58	73																		