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**BLACKBURN ELECTRIC WIRES PTY. LTD.**

55 Garena Circuit, Kingsgrove,  
2208, NSW Australia

**WINDING WIRE DATA TABLE**

**INSULATION TYPE**

Polyester Imide - amide Imide - C 200°C Polyester Imide (P.E. I.) Class H 180°C

Polyurethane (P.U.R.) Class E 130°C

M.M	B & S	SWG	M.M.	INS.	SQ. M.M.	M.M	B & S	SWG	M.M.	INS.	SQ. M.M.
3.55			3.55	.1398	9.902	1.18			1.18	.0465	1.094
3.35			3.55	.1319	8.818		17		1.15	.0453	1.039
	8		3.25	.1285	8.350	1.12			1.12	.0441	.9856
		10	3.25	.1280	8.300		17½		1.08	.0427	.9165
3.15			3.15	.1240	7.800	1.06			1.06	.0417	.8828
3.00			3.00	.1181	7.707		18		1.02	.0403	.8231
		11	2.95	.1160	6.838			19	1.02	.0400	.8107
	9		2.91	.1144	6.654	1.00			1.00	.0394	.7857
2.80			2.80	.1102	6.160		18½		.97	.0380	.7393
2.65			2.65	.1043	5.518	.95			.95	.0374	.7091
		12	2.64	.1040	5.476			20	.91	.0360	.6586
	10		2.59	.1019	5.271		19		.91	.0359	.6527
2.50			2.50	.0984	4.911	.90			.90	.0354	.6364
2.36			2.36	.0929	4.376		19½		.86	.0339	.5811
		13	2.34	.0920	4.289	.85			.85	.0335	.5677
	11		2.30	.0907	4.156		20	21	.81	.0320	.5155
2.24			2.24	.0882	3.942	.80			.80	.0315	.5029
	11½		2.17	.0856	3.700		20½		.77	.0302	.4658
2.12			2.12	.0835	3.531	.75			.75	.0295	.4420
	12		2.05	.0808	3.302		21		.72	.0285	.4105
		14	2.03	.0800	3.238	.71		22	.71	.0280	.3960
2.00			2.00	.0787	3.143		21½		.68	.0269	.3633
	12½		1.94	.0763	2.957	.67			.67	.0264	.3527
1.90			1.90	.0748	2.836		22		.64	.0253	.3218
	13	15	1.83	.0720	2.631	.63			.63	.0248	.3118
1.80			1.80	.0709	2.545			23	.61	.0240	.2924
	13½		1.72	.0679	2.324		22½		.61	.0239	.2919
1.70			1.70	.0669	2.271	.60			.60	.0236	.2829
	14		1.63	.0641	2.088		23		.57	.0228	.2553
		16	1.63	.0640	2.075	.56		24	.56	.0220	.2464
1.60			1.60	.0630	2.011		23½		.54	.0213	.2291
	14½		1.54	.0605	1.863	.53			.53	.0209	.2207
1.50			1.50	.0591	1.768		24		.51	.0201	.2047
	15		1.45	.0571	1.652			25	.51	.0200	.2044
		17	1.42	.0560	1.584	.50			.50	.0197	.1964
1.40			1.40	.0551	1.540		24½		.48	.0190	.1810
	15½		1.37	.0539	1.475	.475			.475	.0187	.1773
1.32			1.32	.0520	1.369			26	.457	.0180	.1641
	16		1.29	.0508	1.308		25		.454	.0179	.1619
1.25			1.25	.0492	1.228	.450			.450	.0177	.1591
	16½	18	1.22	.0480	1.169		25½		.429	.0169	.1446

M.M	B & S	SWG	M.M.	INS.	SQ. M.M.	M.M	B & S	SWG	M.M.	INS.	SQ. M.M.
.425		27	.425	.0167	.1419	.190	32½		.190	.0075	.02836
	26		.417	.0164	.1366	.180	33		.180	.0071	.02540
			.404	.0159	.1282			37	.173	.0068	.02343
.400			.400	.0157	.1257	.170	33½		.170	.0067	.02271
	26½		.381	.0150	.1141	.160	34		.160	.0063	.02014
		28	.376	.0148	.1111			38	.152	.0060	.018241
	27		.361	.0142	.1024	.150			.150	.0059	.017672
.355			.355	.0140	.09902		35		.142	.0056	.015970
		29	.345	.0136	.09352	.140			.140	.0055	.015340
	27½		.340	.0134	.09083	.132		39	.132	.0052	.013701
.335			.335	.0132	.08818		36		.127	.0050	.012670
	28		.320	.0126	.08064	.125			.125	.0049	.012277
.315		30	.315	.0124	.07791			40	.122	.0048	.011675
	28½		.302	.0119	.07166	.118			.118	.0047	.010940
.300			.300	.0118	.07071		37		.114	.0045	.010050
		31	.295	.0116	.06818	.112		41	.112	.0044	.009810
	29		.287	.0113	.06422	.106			.106	.0042	.008828
.280			.280	.0110	.06160		38	42	.102	.0040	.007967
		32	.274	.0108	.05910	.100			.100	.0039	.007857
	29½		.269	.0106	.05686	.095			.095	.0037	.007091
.265			.265	.0104	.05518			43	.091	.0036	.006567
	30	33	.254	.0100	.05095	.090	39		.090	.0035	.006318
.250			.250	.0098	.04911	.085			.085	.0034	.006677
	30½		.241	.0095	.04564			44	.081	.0032	.005189
.236			.236	.0093	.04376	.080	40		.080	.0031	.005010
		34	.234	.0092	.04289	.075			.075	.0030	.004120
	31		.226	.0089	.04039	.071	41	45	.071	.0028	.003973
.224			.224	.0088	.03942	.067			.067	.0026	.003270
.212	31½	35	.212	.0084	.03575	.063	42		.063	.0025	.003153
	32		.203	.0080	.03203			46	.061	.0024	.002919
.200			.200	.0079	.03143	.056	43		.056	.0022	.002501
		38	.193	.0076	.02927	.050	44	47	.050	.0020	.001984

## FLEXIBLE CABLE CURRENT RATINGS

mm <sup>2</sup>	STANDING	A.W.G.	AMPS
.75	24/.2mm	18	7.5
1.0	32/.2mm	17	10
1.5	30/.25mm	16	15
2.5	50/.25mm	14	20
4	56/.3mm	11	25
6	84/.3mm	10	40
10	77/.4mm	8	70
16	126/.4mm	6	100
25	209/.4mm	4	200
35	285/.4mm	2	250
50	380/.4mm	1/0	300
70	203/.67mm	2/0	350
95	259/.67mm	3/0	410
120	336/.67mm	4/0	490