



**SYCOR**  
TECHNOLOGY INC.

## Bare Wire Data/ Annealed Copper

Sycor Part Number	Bare Wire Diameter				Nom Area Cir. Mil.	Resistance At 20°						Physical Data For Nominal Diameter			
	AW Size	Min. Inche	Nom. Inche	Max. Inche		Min. Dia.	Nom. Dia.	Max. Dia.	OHM 1000F	OHM KM	OHM 1000F	OHM KM	LBS/ Mft.	KG/ KM	FT/LB
A0B23AC	23	.0224	.0226	.0227	510.8	20.67	67.82	20.31	66.62	20.13	66.04	1.546	2.300	646.8	434.7
A0B24AC	24	.0199	.0201	.0202	404.0	26.19	85.93	25.67	84.22	25.42	83.39	1.223	1.8200	817.7	549.6
A0B25AC	25	.0177	.0179	.0180	320.4	33.11	108.6	32.37	106.2	32.01	105.0	.9698	1.443	1031	693.0
A0B26AC	26	.157	.0159	.0160	252.8	42.08	138.0	41.03	134.6	40.51	132.9	.7652	1.139	1306	878.3
A0B27AC	27	.0141	.0142	.0143	201.6	52.17	171.2	51.44	168.8	50.72	166.4	.6103	.9081	1638	1101
A0B28AC	28	.0125	.0126	.0127	158.8	66.38	217.8	65.33	214.3	64.30	211.0	.4806	.7150	2080	1398
A0B29AC	29	.0112	.0113	.0114	127.7	82.68	271.3	81.23	266.5	79.81	261.8	.3865	.5751	2587	1738
A0B30AC	30	.0099	.0100	.0101	100.0	105.8	347.2	103.7	340.3	101.7	333.6	.3027	.4504	3303	2220
A0B31AC	31	.0088	.0089	.0090	79.21	133.9	439.4	130.9	429.6	128.0	420.1	.2398	.3567	4170	2803
A0B32AC	32	.0079	.0080	.0081	64.00	166.2	545.2	162.1	531.7	158.1	518.6	.1937	.2882	5162	3469
A0B33AC	33	.0070	.0071	.0072	50.41	211.7	694.4	205.7	675.0	200.12	656.4	.1526	.2270	6553	4404
A0B34AC	34	.0062	.0063	.0064	36.69	269.8	885.2	261.3	857.3	253.2	830.7	.1201	.1788	8323	5594
A0B35AC	35	.0055	.0056	.0057	31.36	342.9	1124	330.7	1085	319.2	1047	.0949	.1412	10530	7080
A0B36AC	36	.0049	.0050	.0051	25.00	432.0	1417	414.9	1361	398.8	1308	.0757	.1126	13210	8881
A0B37AC	37	.0044	.0045	.0046	20.25	535.7	1757	512.2	1680	490.2	1608	.0613	.0912	16310	10960
A0B38AC	38	.0039	.0040	.0041	16.00	681.9	2237	648.2	2126	617.0	2024	.0484	.0721	20650	13880
A0B39AC	39	.0034	.0035	.0036	12.25	897.2	2943	846.7	2777	800.3	2625	.0371	.0552	26970	18130
A0B40AC	40	.0030	.0031	.0032	9.610	1152	3780	1079	3540	1012	3322	.0291	.0433	34380	23100
A0B412AC	41	.0027	.0028	.0029	7.840	1422	4667	1322	4340	1233	4046	.0237	.0353	42140	28320
A0B42AC	42	.0024	.0025	.0026	6.250	180	5907	1659	5444	1534	5033	.0189	.0281	52860	35530
A0B43AC	43	.0021	.0022	.0023	4.840	2351	7715	2142	7030	1960	6432	.0147	.0218	68260	45880
A0B44AC	44	.0019	.0020	.0021	4.000	2873	9425	2592	8506	2351	7715	.0121	.0180	82590	55510

Sycor Advance Wire and Cable Division