



**SYCOR**  
TECHNOLOGY INC.

## Bare Wire Data/ Annealed Aluminum

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. OHM 1000F	Nom. Dia. OHM KM	Max. Dia. OHM 1000F	OHM KM	OHM 1000F	OHM KM	LBS/ Mft.	KG/ KM	FT/LB	M/K
AOB10AA	1/0	.3217	.3249	.3281	10560	.1622	.5320	.1590	.5216	.1559	.5115	97.17	144.6	10.29	6.917
AOB01AA	1	.2864	.2893	.2922	83690	.2046	.6712	.2005	.6579	.1966	.6449	77.04	114.6	12.98	8.724
AOB02AA	2	.2550	.2576	.2602	66360	.2581	.8467	.2529	.8297	.2479	.8132	61.08	90.88	16.37	11.00
AOB03AA	3	.2271	.2294	.2317	52620	.3254	1.068	.3189	1.046	.3126	1.026	48.44	72.07	20.65	13.87
AOB04AA	4	.2023	.2043	.2053	41740	.4101	1.345	.4021	1.319	.3982	1.306	38.42	57.16	26.03	17.49
AOB05AA	5	.1801	.1819	.1828	33090	.5174	1.697	.5072	1.664	.5022	1.648	30.46	45.32	32.84	22.07
AOB06AA	6	.1604	.1620	.1628	26240	.6523	2.140	.6395	2.098	.6332	2.077	24.16	35.94	41.40	27.82
AOB07AA	7	.1429	.1443	.1450	20820	.8218	2.696	.8060	2.644	.7982	2.619	19.17	28.52	52.18	35.07
AOB08AA	8	.1272	.1285	.1292	16510	1.037	3.403	1.016	3.334	1.005	3.298	15.20	22.61	65.80	44.22
AOB09AA	9	.1133	.1144	.1150	13090	1.307	4.289	1.282	4.207	1.269	4.163	12.05	17.92	83.02	55.79
AOB10AA	10	.1009	.1019	.1024	10380	1.648	5.408	1.616	5.302	1.600	5.251	9.558	14.22	104.6	70.32
AOB11AA	11	.0898	.0907	.0912	8226	2.081	6.828	2.040	6.693	2.018	6.620	7.572	11.27	132.1	88.76
AOB12AA	12	.0800	.0808	.0812	6528	2.622	8.603	2.571	8.433	2.545	8.351	6.009	8.941	166.4	111.8
AOB13AA	13	.0713	.0720	.0724	5183	3.301	10.83	3.237	10.62	3.202	10.50	4.772	7.100	209.6	140.8
AOB14AA	14	.0635	.0641	.0644	4108	4.162	13.65	4.084	13.40	4.046	13.28	3.782	5.627	264.4	177.7
AOB15AA	15	.0565	.0571	.0574	3260	5.257	17.25	5.147	16.89	5.094	16.71	3.001	4.465	333.3	223.9

Sycor Advance Wire and Cable