



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. OHM 1000F	Nom. Dia. OHM 1000F	Max. Dia. OHM 1000F	OHM KM	OHM 1000F	OHM KM	OHM 1000F	OHM KM	LBS/ Mft.	KG/ KM
AOB02AC	2	.2550	.2576	.2602	66360	1.595	.5233	.1563	.5128	.1532	.5026	200.9	298.9	4.979	3.346
AOB03AC	3	.271	.2294	.2317	52620	.2011	.6598	.1971	.6466	.1932	.6338	159.3	237.0	6.278	4.219
AB04AC	4	.2023	.2043	.2053	41740	.2534	.8314	.2485	.8152	.2461	.8073	126.3	188.0	7.915	5.320
AOB05AC	5	.1801	.1819	.1828	33090	.3198	1.049	.3135	1.028	.3104	1.018	100.2	149.0	9.985	6.711
AOB06AC	6	.1604	.1620	.1628	26240	.4031	1.323	.3952	1.297	.3913	1.284	79.44	118.2	12.59	8.460
AOB07AC	7	.1429	.1443	.1450	20820	.5079	1.666	.4981	1.634	.4933	1.618	63.03	93.78	15.87	10.66
AOB08AC	8	.1272	.1285	.1292	16510	.6410	2.103	.6281	2.061	.6213	2.038	49.98	74.37	20.01	13.45
AOB09AC	9	.1133	.1144	.1150	13090	.8080	2.651	.7925	2.600	.7842	2.573	39.61	58.94	25.24	16.97
AOB10AC	10	.109	.1019	.1024	10380	1.019	3.342	.9988	3.277	.9891	3.245	31.43	46.77	31.82	21.38
AOB11AC	11	.0898	.0907	.0912	8226	1.286	4.220	1.261	4.136	1.247	4.091	24.90	37.05	40.16	26.99
AOB12AC	12	.0800	.0808	.0812	6528	1.621	5.317	1.589	5.212	1.573	5.161	19.76	29.40	50.60	34.01
AOB13AC	13	.0713	.0720	.0724	5183	2.040	6.693	2.001	6.564	1.979	6.492	15.69	23.35	63.73	42.83
AOB14AC	14	.0635	.0641	.0644	4108	2.572	8.439	2.524	8.282	2.501	8.205	12.44	18.51	80.41	54.04
AOB15AC	15	.0565	.0571	.0574	3260	3.249	10.66	3.181	10.44	3.148	10.33	9.869	14.68	101.3	68.10
AOB16AC	16	.0503	.0508	.0511	2580	4.099	13.45	4.019	13.19	3.972	13.03	7.811	11.62	128.0	86.04
AOB17AC	17	.0448	.0453	.0455	2052	5.168	16.95	5.054	16.58	5.010	16.44	6.211	9.242	161.0	108.2
AOB18AC	18	.0399	.0403	.0405	1624	6.515	21.37	6.386	20.95	6.323	20.75	4.916	7.314	203.4	136.7
AOB19AC	19	.0355	.0359	.0361	1288	8.230	27.00	8.047	26.40	7.959	26.11	3.901	5.804	256.3	172.3
AOB20AC	20	.0317	.0320	.0322	1024	10.32	33.86	10.13	33.23	10.00	32.82	3.100	4.612	322.6	216.8
AOB21AC	21	.0282	.0285	.0286	812.3	13.04	42.79	12.77	41.89	12.68	41.60	2.459	3.658	406.7	273.4
AOB22AC	22	.0250	.0253	.0254	640.1	16.59	54.44	16.20	53.16	16.08	52.74	1.937	2.883	516.1	346.9

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