

CUSTOM INSULATED SPECIALTY WIRE

Phoenix Wire insulates to your specification to meet your needs perfectly.



Platinum, silver, copper, silver-plated copper, gold, stainless steel, steel, iron ...
You choose the conductor.

Below are some sample dimensions - all wire is custom produced and individually run. If you need a size that is not listed please contact our sales staff.

"A"		FINAL DIMENSIONS OF CUSTOM PTFE NSULATED WIRE AND MAGNET WIRE "B"								COPPER WIRE RESIS. AT 20 C OHMS/MFT	
AWG	BARE CONDUCTOR		SINGLE		HEAVY		TRIPLE		QUAD		
SIZE	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN		MAX
18	.0399	.0407	.0410	.0426	.0423	.0440	.0433	.0450	.0443	.0468	6.51
19	.0355	.0363	.0366	.0382	.0378	.0395	.0388	.0404	.0397	.0422	8.21
20	.0316	.0323	.0326	.0341	.0338	.0353	.0347	.0362	.0356	.0379	10.15
21	.0282	.0287	.0292	.0305	.0303	.0316	.0312	.0325	.0321	.0341	12.80
22	.0251	.0256	.0261	.0273	.0271	.0284	.0280	.0292	.0288	.0308	16.14
23	.0223	.0228	.0232	.0244	.0242	.0255	.0251	.0263	.0259	.0279	20.36
24	.0199	.0203	.0208	.0218	.0218	.0229	.0226	.0237	.0234	.0252	25.67
25	.0177	.0181	.0186	.0195	.0195	.0206	.0203	.0214	.0211	.0228	32.37
26	.0158	.0161	.0166	.0174	.0175	.0185	.0183	.0192	.0190	.0206	40.81
27	.0141	.0143	.0149	.0156	.0157	.0165	.0164	.0172	.0171	.0185	51.47
28	.0125	.0128	.0132	.0140	.0140	.0149	.0147	.0156	.0154	.0167	64.90
29	.0112	.0114	.0119	.0126	.0126	.0134	.0133	.0141	.0140	.0152	81.83
30	.0099	.0101	.0105	.0112	.0112	.0120	.0119	.0127	.0126	.0137	103.2
31	.0088	.0090	.0094	.0101	.0101	.0108	.0107	.0115	.0114	.0124	130.1
32	.0079	.0081	.0085	.0091	.0091	.0098	.0097	.0105	.0104	.0113	164.1
33	.0070	.0072	.0075	.0081	.0081	.0088	.0087	.0095	.0094	.0102	206.9
34	.0062	.0064	.0067	.0072	.0072	.0078	.0077	.0084	.0083	.0091	260.9
35	.0055	.0057	.0059	.0064	.0064	.0070	.0069	.0076	.0075	.0082	329.0
36	.0049	.0051	.0053	.0058	.0057	.0063	.0062	.0069	.0068	.0074	414.8
37	.0044	.0046	.0047	.0052	.0052	.0057	.0056	.0062	.0061	.0067	523.1
38	.0039	.0041	.0042	.0047	.0046	.0051	.0050	.0056	.0055	.0060	659.6
39	.0034	.0036	.0036	.0041	.0040	.0045	.0044	.0040	.0049	.0053	831.8
40	.0030	.0032	.0032	.0037	.0036	.0040	.0039	.0044	.0043	.0047	1049.0
41	.0027	.0029	.0029	.0033	.0032	.0036	.0035	.0040	.0037	.0043	1323.0
42	.0024	.0026	.0026	.0030	.0028	.0032	.0032	.0037	.0034	.0038	1669.0
43	.0021	.0023	.0023	.0026	.0025	.0029	.0028	.0033	.0031	.0035	2104.0
44	.0019	.0021	.0020	.0024	.0023	.0027	.0025	.0030	.0028	.0032	2654.0
45	.0017	.0018	.0018	.0021	.0020	.0023					3200.0
46	.0015	.0016	.0016	.0019	.0013	.0021					4300.0
47	.0013	.0015	.0015	.00155							5290.0
48	.00125	.0013	.0013	.0014							7200.0
49	.00105	.00115	.00115	.0012							8570.0
50	.00097	.00104	.00105	.00108							10,400.0