

Alloy	Nominal Composition	Resistivity OHMS-CMF (20°C)	Temperature Coefficient of Resistance		Melting Temp C°	Coefficient of Linear Expansion		Tensile		Specific Gravity	Weight Lbs/In³	Maximum Recommended Operating		ASTM Specs	
			OHMS/	OHMC/C°		Temp Range C°	Coefficient	Temp Range C°	Soft			Hard	°C		°F
CuNi 294	43% Ni, Bal Cu	294		±.00002	20-100	1210	0.0000149	20-100	60	100	8.69	0.321	538	1000	B267
Common Industry Trade names	<i>Advnce, Cuprothal 294, 294 Alloy, Cupron, Konstantan, Isotan, Copel, Vermicon, Cu-Ni 44</i>														
CuNi 180	23% Ni, Bal Cu	180		0.00018	-50-150	1100	0.0000175	20-500	50	100	8.89	0.321	538	1000	B267
Common Industry Trade names	<i>Cuprothal 180, A180, 180 Alloy, Cu-Ni 23, Isazin</i>														
CuNi 90	11% Ni, Bal Cu	90		0.00049	-50-150	1100	0.0000175	20-500	35	75	8.89	0.321	427	800	B267
Common Industry Trade names	<i>Cuprothal 90, A90, 90 Alloy, Cu-Ni 10</i>														
CuNi60	6% Ni, Bal Cu	60		0.0008	-50-150	1100	0.000018	20-500	35	100	8.89	0.321	316	600	B267
Common Industry Trade names	<i>Cuprothal 60, A60, 60 Alloy, Cu-Ni 6</i>														
CuNi 30	2.25% Ni, Bal Cu	30		.0015	-50-150	1100	0.0000175	20-500	30	60	8.89	0.321	316	600	B267
Common Industry Trade names	<i>Cuprothal 30, A30, 30 Alloy, Cu-Ni 2</i>														
CuNi Mn	12% Mn, 4% Ni, Bal Cu	290		±.000015	15-35	1020	0.0000187	15-350	70	150	8.41	0.304	316	600	B267
Common Industry Trade names	<i>Manganin, Niclal 48</i>														