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NICHROME WIRE: RESISTANCE AND WEIGHT TABLE

Diameter (mm)	Tolerance of Diameter	Cross Sectional Area (mm ²)	Ni80Cr20			Ni60Cr15			Tolerance of Conductor Resistance (%)
			Resistance Per Metre (20°C Ω/m)	Length Per Kg (m/kg)	Weight Per Metre (Kg/M)	Resistance Per Metre (20°C Ω/M)	Length Per Kg (m/kg)	Weight Per Metre (kg/m)	
0.020	± 0.003	0.000314	3472	-	-	3567	-	-	± 15
0.025	± 0.003	0.000491	2220	-	-	2281	-	-	± 15
0.028	± 0.003	0.000616	1770	-	-	1818	-	-	± 15
0.032	± 0.003	0.000804	1356	-	-	1393	-	-	± 14
0.036	± 0.003	0.001018	1071	-	-	1100	-	-	± 14
0.040	± 0.004	0.001257	867	-	-	891	-	-	± 13
0.045	± 0.004	0.001591	685	74828	0.00001	704	76649	0.00001	± 13
0.050	± 0.004	0.001964	555.1	60617	0.00002	570.3	62092	0.00002	± 12
0.060	± 0.004	0.002828	385.5	42097	0.00002	396.0	43122	0.00002	± 11
0.070	± 0.005	0.003849	283.2	30930	0.00003	291.0	31683	0.00003	± 10
0.080	± 0.005	0.005027	216.9	23682	0.00004	222.8	24259	0.000041	± 10
0.100	± 0.006	0.007854	138.8	15158	0.000065	142.6	15527	0.000064	± 9
0.120	± 0.006	0.01131	96.38	10526	0.000095	99.03	10788	0.000092	± 9
0.132	± 0.007	0.01369	79.62	8697	0.00011	81.81	8907	0.00011	± 8
0.150	± 0.008	0.01767	61.68	6738	0.00014	63.38	6901	0.00014	± 8
0.152	± 0.008	0.01815	60.05	6557	0.00015	61.70	6720	0.00015	± 8
0.170	± 0.008	0.02270	48.02	5243	0.00019	49.34	5373	0.00018	± 8
0.173	± 0.008	0.02351	46.37	5062	0.00020	47.64	5186	0.00019	± 8
0.190	± 0.009	0.02835	38.44	4198	0.00023	39.50	4301	0.00023	± 8
0.193	± 0.009	0.02926	37.24	4069	0.00025	38.27	4168	0.00024	± 8
0.210	± 0.010	0.03464	31.47	3437	0.00029	32.34	3521	0.00028	± 8
0.250	± 0.010	0.04909	22.21	2425	0.00041	22.82	2484	0.00040	± 8
0.270	± 0.012	0.05726	19.04	2079	0.00048	19.56	2129	0.00046	± 7
0.280	± 0.013	0.06158	17.70	1933	0.00052	18.19	1980	0.00051	± 7
0.290	± 0.013	0.06605	16.50	1802	0.00055	16.96	1846	0.00054	± 7
0.300	± 0.013	0.07070	15.41	1684	0.00059	15.84	1724	0.00058	± 7

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0.310	± 0.013	0.07548	14.44	1577	0.00063	14.84	1615	0.00061	± 7
0.315	± 0.013	0.07794	13.98	1527	0.00065	14.37	1564	0.00064	± 7
0.345	± 0.013	0.09349	11.66	1273	0.00079	11.98	1304	0.00077	± 7
0.350	± 0.013	0.09621	11.33	1237	0.00080	11.64	1267	0.00078	± 7
0.355	± 0.013	0.09899	11.01	1203	0.00083	11.31	1232	0.00081	± 7
0.375	± 0.015	0.11046	9.87	1078	0.00093	10.14	1104	0.00091	± 7
0.400	± 0.016	0.1257	8.674	947	0.00105	8.913	970	0.00103	± 7
0.450	± 0.016	0.1591	6.853	748	0.00133	7.042	766	0.00130	± 7
0.475	± 0.016	0.1772	6.153	672	0.00148	6.323	688	0.00145	± 7
0.500	± 0.016	0.1963	5.551	606	0.00164	5.704	621	0.00161	± 7
0.560	± 0.016	0.2463	4.424	483.3	0.00206	4.546	495.0	0.00202	± 7
0.600	± 0.018	0.2827	3.855	421.1	0.00237	3.961	431.4	0.00231	± 6
0.610	± 0.018	0.2923	3.728	407.2	0.00245	3.831	417.0	0.00240	± 6
0.630	± 0.020	0.3118	3.495	381.8	0.00261	3.591	391.0	0.00256	± 6
0.700	± 0.020	0.3848	2.832	309.3	0.00323	2.911	316.8	0.00315	± 6
0.710	± 0.020	0.3960	2.752	300.6	0.00332	2.828	308.0	0.00325	± 6
0.800	± 0.020	0.5027	2.168	236.9	0.00422	2.228	242.6	0.00412	± 6
0.900	± 0.025	0.6362	1.713	187.1	0.00534	1.761	191.6	0.00521	± 6
1.000	± 0.025	0.7854	1.388	151.6	0.00659	1.426	155.2	0.00644	± 6
1.200	± 0.025	1.131	0.9638	105.3	0.00950	0.9903	107.8	0.00927	± 5
1.220	± 0.025	1.169	0.9325	101.8	0.00982	0.9581	104.3	0.00959	± 5
1.300	± 0.032	1.327	0.8214	89.715	0.01115	0.8440	91.898	0.01088	± 5
1.400	± 0.032	1.539	0.7081	77.340	0.01293	0.7276	79.239	0.01263	± 5
1.600	± 0.032	2.011	0.5421	59.207	0.01689	0.5570	60.643	0.01649	± 5
1.800	± 0.040	2.545	0.4283	46.773	0.02138	0.4401	47.916	0.02087	± 5
2.000	± 0.040	3.142	0.3470	37.893	0.02639	0.3565	38.820	0.02576	± 5
2.200	± 0.040	3.801	0.2867	31.319	0.03193	0.2946	32.082	0.03117	± 5
2.250	± 0.040	3.976	0.2741	29.940	0.03340	0.2817	30.675	0.03260	± 5
2.650	± 0.040	5.516	0.1976	21.581	0.04634	0.2031	22.111	0.04523	± 5
2.800	± 0.040	6.158	0.1770	19.335	0.05172	0.1819	19.806	0.05049	± 5
3.000	± 0.050	7.069	0.1542	16.841	0.05938	0.1584	17.253	0.05796	± 5

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3.500	± 0.050	9.621	0.1133	12.373	0.08082	0.1164	12.676	0.07889	± 5
3.650	± 0.050	10.465	0.1042	11.375	0.08791	0.1070	11.662	0.08575	± 5
3.750	± 0.050	11.046	0.0987	10.777	0.0928	0.10138	11.049	0.09051	± 5
4.000	± 0.063	12.57	0.08674	9.470	0.1056	0.08913	9.709	0.1030	± 5
4.500	± 0.063	15.91	0.06853	7.485	0.1336	0.07042	7.669	0.1304	± 5
5.000	± 0.063	19.63	0.05551	6.064	0.1649	0.05704	6.211	0.1610	± 5
5.500	± 0.080	23.76	0.04588	5.010	0.1996	0.04714	5.133	0.1948	± 5
6.000	± 0.080	28.27	0.03855	4.211	0.2375	0.03961	4.314	0.2318	± 5
6.500	± 0.080	33.18	0.03285	3.588	0.2787	0.03375	3.675	0.2721	± 5
7.000	± 0.080	34.48	0.02832	3.093	0.3233	0.02910	3.169	0.3156	± 5



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