

AWG 46-11 Polyurethane Enamel Round Copper Wire Grade Three Thermal Class 130

Our Product Introduction

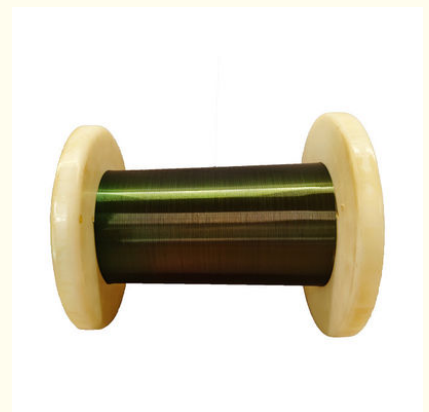
Basic Information

- Place of Origin: China
- Brand Name: PEWSC
- Certification: UL
- Model Number: 0.04-2.30mm
- Minimum Order Quantity: The MOQ varies according to the size of the specification
- Price: Copper price plus processing fee plus freight
- Packaging Details: Box
- Delivery Time: 3-5 work days
- Payment Terms: T/T 100% payment before shipment
- Supply Ability: Delivery 10-15 days after next order



Product Specification

- Conductor Material: Copper
- Voltage Rating: 2800V
- Diameter: AWG 46-11
- Color: Natural, Red, Green, Blue
- Sample: Free
- Temperature Rating: 130°C
- Application: For Small Transformer, electric Fan Motor
- Certification: UL
- Category: Grade Three
- Highlight: **Polyurethane Enamel Round Copper Wire, AWG 46 Enamel Round Copper Wire**



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Product Description

It is widely used in the winding manufacturing field of high-end motors, transformers and other electrical equipment. Its excellent heat, insulation, and mechanical properties make it the material of choice for many industrial applications.

1. Good mechanical properties. UEW combines high tensile strength and flexibility to withstand a wide range of mechanical stresses during the manufacturing of motor stator windings.

2. Excellent chemical resistance. UEW's insulation is highly resistant to most chemicals and solvents, and provides reliable insulation in harsh environments.

Grade three have a thicker insulation, which is safer and more reliable to use at voltage.



GB ---Grade3 Unit mm											
Diameter of Conductor	Conductor Tolerance	Conductor Control Benchmarks		OD Control Benchmarks		Specification Boundaries		Conductor Resistance 20 (Ω/KM)	Min Elongation (%)	Max. Springiness (°)	Insulation breakdown voltage (v)
		Lower Limit	Upper Limit	Lower Limit	Upper Limit	Min. Increase in Diameter	Max. Finished overall Diameter				
0.071	±0.003	0.070	0.072	0.09	0.095	0.018	0.097	4747	13	--	1100
0.080	±0.003	0.079	0.081	0.101	0.107	0.020	0.108	3703	14	100	1200
0.090	±0.003	0.089	0.091	0.113	0.119	0.022	0.120	2900	15	94	1300
0.100	±0.003	0.099	0.101	0.124	0.131	0.023	0.132	2333	16	90	1400
0.112	±0.003	0.111	0.114	0.139	0.146	0.026	0.147	1848	17	88	3900
0.125	±0.003	0.124	0.127	0.154	0.161	0.028	0.163	1475	17	84	4100
0.140	±0.003	0.139	0.142	0.171	0.178	0.030	0.181	1170	18	79	4200
0.160	±0.003	0.159	0.162	0.194	0.201	0.033	0.205	890.6	19	78	4400
0.180	±0.003	0.179	0.182	0.218	0.225	0.036	0.229	700.7	20	75	4700
0.200	±0.003	0.199	0.202	0.241	0.249	0.039	0.252	565.7	21	72	5100
0.224	±0.003	0.223	0.226	0.269	0.277	0.043	0.280	449.5	21	68	5200
0.250	±0.004	0.249	0.253	0.301	0.309	0.048	0.312	362.8	22	65	5500

0.280	±0.004	0.279	0.283	0.33 3	0.341	0.050	0.345	288.2	22	61	5800
0.315	±0.004	0.314	0.317	0.37 1	0.38	0.053	0.384	227.0	23	62	6100
0.355	±0.004	0.354	0.357	0.41 5	0.423	0.057	0.428	178.2	23	59	6400
0.400	±0.005	0.398	0.403	0.46 4	0.474	0.060	0.478	140.7	24	55	6600
0.450	±0.005	0.448	0.453	0.51 8	0.528	0.064	0.533	110.9	25	53	6800
0.500	±0.005	0.498	0.503	0.57 1	0.581	0.067	0.587	89.59	25	51	7000
0.560	±0.006	0.557	0.563	0.63 5	0.645	0.071	0.653	71.53	26	48	7100
0.630	±0.006	0.627	0.633	0.70 9	0.721	0.075	0.728	56.38	27	53	7100
0.710	±0.007	0.707	0.714	0.79 5	0.807	0.080	0.814	44.42	28	50	7200
0.800	±0.008	0.797	0.804	0.89	0.902	0.085	0.911	35.00	28	46	7400
0.900	±0.009	0.897	0.904	0.99 5	1.007	0.090	1.018	27.65	29	51	7600
1.000	±0.010	0.997	1.004	1.1	1.114	0.095	1.124	22.40	30	47	7600
1.120	±0.011	1.116	1.124	1.22 3	1.237	0.098	1.248	17.85	30	34	7600
1.250	±0.013	1.246	1.254	1.35 5	1.369	0.100	1.381	14.35	31	39	7600
1.400	±0.014	1.396	1.406	1.50 9	1.523	0.103	1.535	11.43	32	36	7600
1.600	±0.016	1.596	1.606	1.71 4	1.73	0.107	1.740	8.75	32	32	7600
1.800	±0.018	1.796	1.806	1.91 7	1.933	0.110	1.944	6.91	32		7600
2.000	±0.020	1.994	2.006	2.12	2.136	0.113	2.148	5.60	33		7600
2.240	±0.022	2.234	2.246	2.36 3	2.381	0.116	2.392	4.46	33		7600
2.500	±0.025	2.494	2.506	2.62 6	2.644	0.119	2.656	3.58	33		7600
2.800	±0.028	2.794	2.808	2.93 2	2.95	0.123	2.961	2.86	34		3800
3.150	±0.032	3.144	3.158	3.28 6	3.306	0.127	3.316	2.26	34		3800



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