



Thermal Class 130 Enamelled Round Wire 0.04mm - 2.30mm Enameled Wire with Natura Color and 2800V Voltage Rating

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

- Material: Copper
- Package: Spool
- Specification: AWG 46-11
- Color: Natural Red Green Blue
- Voltage Rating: 2800V
- Hierarchy: Single double triple Layer
- Temperature Rating: 130°C
- Application: Oil-immersed Transformers
- Category: U2
- Sample: Free
- Warranty: 3 Years
- Highlight: **Class 130 Enamelled Round Copper Wire, Enamelled Round Copper Wire 2.3mm, Polyurethane Enameled Wire 0.04mm**



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Product Description

In general, UEW enameled wire is a high-performance and high-reliability product, which 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. U1 is a single-layer winding enameled wire, which is relatively simple to wind, and is mainly used in low-power and low-current occasions

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.

U2 and U3 are double-layer and triple-wound respectively, which are more suitable for higher power and current applications and have better electromagnetic shielding performance.



JIS---2														Unit mm
Diameter of Conductor	Conductor Control Benchmarks		OD Control Benchmarks			Specification Boundaries		Conductor Resistance 20°C (Ω/KM)	Insulation breakdown voltage (v)	Min Elongation (%)		Max. Springiness (°)	Resistance to abrasion	Min. Average diameter
	Lower Limit	Upper Limit	Lower Limit	Median	Upper Limit	Min. Increase in Diameter (mm)	Max. Finished overall Diameter (mm)			J	A			
0.04±0.002	0.039	0.041	0.047	0.050	0.053	0.006	0.056	15670	200	7	11	--	---	---
0.05±0.003	0.049	0.051	0.059	0.062	0.065	0.008	0.069	10240	950	11	04	--	---	---
0.06±0.003	0.059	0.061	0.069	0.072	0.075	0.008	0.081	6966	950	11	05	--	---	---
0.07±0.003	0.069	0.071	0.079	0.082	0.085	0.008	0.091	4990	950	11	07	--	---	---
0.08±0.003	0.079	0.081	0.091	0.095	0.099	0.010	0.103	3778	1100	11	07	--	---	---
0.09±0.003	0.089	0.091	0.102	0.106	0.110	0.010	0.113	2959	1100	11	08	--	---	---
0.10±0.003	0.099	0.101	0.112	0.116	0.120	0.010	0.125	2381	1100	11	59	--	---	---
0.11±0.003	0.109	0.111	0.122	0.126	0.130	0.010	0.135	1957	1100	11	59	--	---	---
0.12±0.003	0.119	0.121	0.134	0.138	0.142	0.012	0.147	1636	1300	12	50	--	---	---
0.13±0.003	0.129	0.131	0.144	0.148	0.152	0.012	0.157	1389	1300	12	50	--	---	---
0.14±0.003	0.139	0.141	0.154	0.158	0.162	0.012	0.167	1193	1300	12	51	--	---	---
0.15±0.003	0.149	0.151	0.164	0.168	0.172	0.012	0.177	1037	1300	12	51	--	---	---
0.16±0.003	0.159	0.161	0.176	0.180	0.184	0.014	0.189	908.8	1300	12	52	--	---	---
0.17±0.003	0.169	0.171	0.186	0.190	0.194	0.014	0.199	803.2	1300	12	53	--	---	---
0.18±0.003	0.179	0.181	0.198	0.202	0.206	0.016	0.211	715.0	1600	12	53	--	---	---

0.60±0.008	0.59 6	0.60 2	0.62 6	0.63 8	0.024	0.644	62.64	2150	2 0	2 9	62	3 3 5 0 7 6
0.65±0.008	0.64 6	0.65 3	0.67 7	0.68 9	0.024	0.694	53.26	2150	2 0	2 9	58	3 3 6 0 7 6
0.70±0.008	0.69 6	0.70 3	0.72 9	0.74 1	0.026	0.746	45.84	2150	2 0	3 0	53	3 3 9 3 8 7
0.75±0.008	0.74 6	0.75 3	0.78 1	0.79 3	0.028	0.798	39.87	2400	2 0	3 0	53	4 3 3 6 9 7
0.80±0.010	0.79 6	0.80 3	0.83 4	0.84 6	0.030	0.852	35.17	2400	2 5	3 0	66	4 3 7 9 9 8
0.85±0.010	0.84 6	0.85 3	0.88 4	0.89 6	0.030	0.904	31.11	2400	2 5	3 0	66	4 3 7 9 9 8
0.90±0.010	0.89 6	0.90 3	0.93 6	0.94 8	0.032	0.956	27.71	2400	2 5	3 1	62	5 4 1 2 0 8
0.95±0.010	0.94 6	0.95 3	0.98 8	1.00 0	0.034	1.008	24.84	2400	2 5	3 1	62	5 4 5 5 1 9
1.00±0.012	0.99 6	1.00 3	1.03 8	1.05 2	0.034	1.062	22.49	2400	2 5	3 2	58	5 4 5 6 1 9
1.10±0.012	1.09 5	1.10 3	1.14 2	1.15 6	0.036	1.164	18.54	3050	2 5	3 2	54	5 4 5 6 1 9
1.20±0.012	1.19 5	1.20 3	1.24 2	1.25 8	0.036	1.264	15.55	3050	2 5	3 2	54	5 4 5 6 1 9
1.30±0.012	1.29 5	1.30 5	1.34 4	1.35 8	0.040	1.364	13.23	3400	2 5	3 3	50	6 5 2 2 2 0
1.40±0.012	1.39 5	1.40 5	1.44 4	1.45 8	0.040	1.464	11.39	3400	2 5	3 3	46	6 5 2 2 2 0
1.50±0.012	1.49 5	1.50 5	1.54 6	1.56 0	0.040	1.568	9.91	3400	2 5	3 3	46	6 5 2 2 2 0
1.60±0.012	1.59 5	1.60 5	1.64 6	1.66 0	0.040	1.668	8.71	3400	2 5	3 3	42	6 5 2 2 2 0



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