

UEWF U0 Enamelled Round Copper Wire 0.04mm - 1.6mm High Thermal Polyurethane

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: PEWSC
- Certification: UL
- Model Number: UEWF U0
- 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
- Rated Voltage: 2800V
- Wire Diameter: 0.04mm-2.60mm
- Application: For High Speed Coiling Processing
- Thermal Class: 155
- Color: Natural, Red, Green
- Certification: UL
- Category: UEWF U0
- Warranty: 3 Years
- Sample: Free
- Highlight: **Enamelled Round Copper Wire High Thermal, Enamelled Round Copper Wire 1.6mm, 0.04mm Polyurethane Enamel Wire**



for more products please visit us on enamel-wire.com

Product Description

0.04mm-1.60mm UEFW U0 High Thermal Polyurathane enamelled wire Thermal class 155

Compared with UEW series, UEF1 has the following features.

High heat resistance: UEF1 enameled wire has a heat resistance class F, with a heat resistance temperature index of up to 155°C. This characteristic enables UEF1 enameled wire to withstand the high temperatures generated by electrical equipment such as motors and transformers during operation, which ensures the stability and reliability of the equipment.

Wide application: UEF1 enameled wire is widely used in various motors, electrical appliances and household appliances, etc. Especially in recent years, the electric power industry has realized a sustained and rapid growth, and the rapid development of household appliances has brought a broader space for the application of UEF1 enameled wire.

Cost-effective: UEF1 enameled wire has a high cost-effective ratio as it guarantees high quality and long-term stable electrical performance at a reasonable price.

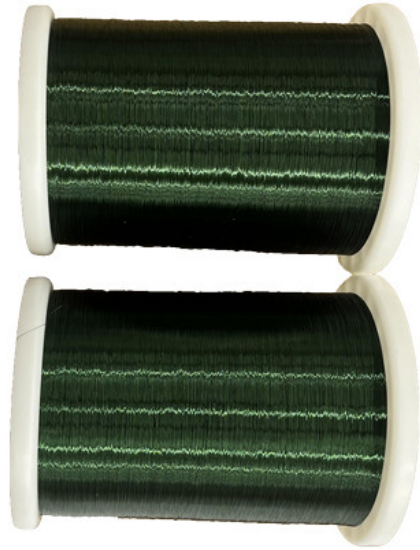
Environmental protection and safety: UEF1 enameled wire is made of environmentally friendly materials, which makes the process of using it safer and minimizes the impact on the environment.

Superior insulation properties: UEF1 has an insulation layer thickness of 0.03-0.3mm, which provides excellent voltage withstand characteristics in high voltage environments. This makes it ideally suited for transformer and motor applications requiring higher levels of insulation.

Superior mechanical strength UEF1 uses a special material formulation and production process to provide high tensile strength and toughness. During the manufacturing process of motor windings, UEF1 is able to withstand greater mechanical stress without damaging the insulation.

Excellent thermal stability: UEF1 has a heat-resistant temperature of 155°C or more, which makes it more suitable than UEW for applications with higher ambient temperatures, such as stator windings of high-power motors.





JIS---0種											Unit			
Diameter of Conductor	Conductor Control Benchmarks		OD Control Benchmarks			Specification Boundaries		Conductor Resistance 20 (Ω/KM)	Insulation breakdown voltage (v)	Min Elongation (%)	Max. Springiness (°)	Resistance to abrasion		
	Lower Limit	Upper Limit	Lower Limit	Median	Upper Limit	Min. Increase in Diameter (mm)	Max. Finished overall Diameter (mm)						J	A
0.06±0.003	0.059	0.061	0.093	0.098	0.103	0.030	0.110	6966	2500	1105	--	---		
0.07±0.003	0.069	0.071	0.103	0.108	0.113	0.030	0.120	4990	2500	1107	--	---		
0.08±0.003	0.079	0.081	0.115	0.120	0.125	0.032	0.133	3778	3000	1107	--	---		
0.09±0.003	0.089	0.091	0.125	0.130	0.135	0.032	0.143	2959	3000	1108	--	---		
0.10±0.008	0.098	0.101	0.134	0.139	0.144	0.032	0.156	2647	3500	1159	--	---		
0.11±0.008	0.108	0.111	0.144	0.149	0.154	0.032	0.166	2153	3500	1159	--	---		
0.12±0.008	0.118	0.121	0.156	0.161	0.166	0.034	0.180	1786	3750	1250	--	---		

0.13±0.008	0.128	0.131	0.16 1 2	0.176	0.034	0.190	1505	3750	1 5	2 0	--	----
0.14±0.008	0.138	0.141	0.17 6	0.186	0.034	0.200	1286	3750	1 5	2 1	--	----
0.15±0.008	0.148	0.151	0.18 6	0.196	0.034	0.210	1111	3750	1 5	2 1	--	----
0.16±0.008	0.158	0.161	0.19 8	0.208	0.036	0.222	969.5	3750	1 5	2 2	--	----
0.17±0.008	0.168	0.171	0.20 8	0.218	0.036	0.232	853.5	3750	1 5	2 3	--	----
0.18±0.008	0.178	0.181	0.22 0	0.230	0.038	0.246	757.2	3800	1 5	2 3	--	----
0.19±0.008	0.188	0.191	0.23 0	0.240	0.038	0.256	676.2	3800	1 5	2 3	--	----
0.20±0.008	0.198	0.201	0.24 0	0.250	0.038	0.266	607.6	3800	1 5	2 4	--	----
0.21±0.008	0.207	0.212	0.25 0	0.260	0.038	0.276	549.0	3800	1 5	2 4	--	----
0.22±0.008	0.217	0.222	0.26 0	0.270	0.038	0.286	498.4	3800	1 5	2 4	--	----
0.23±0.008	0.227	0.232	0.27 2	0.282	0.040	0.298	454.5	3800	1 5	2 4	--	----
0.24±0.008	0.237	0.242	0.28 2	0.292	0.040	0.308	416.2	3800	1 5	2 4	--	----
0.25±0.008	0.247	0.252	0.29 2	0.302	0.040	0.318	382.5	3800	1 5	2 5	66	----
0.26±0.010	0.257	0.262	0.30 2	0.312	0.040	0.330	358.4	3800	1 5	2 5	66	54 57 19
0.27±0.010	0.267	0.272	0.31 2	0.322	0.040	0.340	331.4	3800	1 5	2 6	61	54 57 19
0.28±0.010	0.277	0.282	0.32 2	0.332	0.040	0.350	307.3	3800	1 5	2 6	61	54 67 19
0.29±0.010	0.287	0.292	0.33 2	0.342	0.040	0.360	285.7	3800	2 0	2 6	61	54 69 10
0.30±0.010	0.297	0.302	0.34 4	0.354	0.042	0.374	262.9	4200	2 0	2 6	61	55 91 20
0.32±0.010	0.316	0.322	0.36 4	0.374	0.042	0.394	230.0	4200	2 0	2 6	55	65 01 20

0.35±0.010	0.346	0.352	0.394	0.404	0.042	0.424	191.2	4200	2207	50	651220
0.37±0.010	0.366	0.372	0.416	0.426	0.044	0.446	170.6	4200	2207	50	654531
0.40±0.010	0.396	0.402	0.448	0.460	0.046	0.480	145.3	4200	2207	76	658831
0.45±0.010	0.445	0.452	0.500	0.512	0.048	0.532	114.2	4200	2208	72	762242
0.50±0.010	0.495	0.502	0.552	0.564	0.050	0.586	91.43	4500	2208	67	766553
0.55±0.020	0.545	0.552	0.602	0.614	0.050	0.646	78.15	4500	2209	62	767653
0.60±0.020	0.595	0.602	0.654	0.668	0.052	0.698	65.26	4500	2209	62	861964
0.65±0.020	0.645	0.653	0.707	0.723	0.054	0.752	55.31	4500	2209	58	875374
0.70±0.020	0.695	0.703	0.759	0.775	0.056	0.804	47.47	4500	2300	53	879685
0.75±0.020	0.745	0.753	0.813	0.831	0.060	0.860	41.19	5100	2300	53	987296
0.80±0.020	0.794	0.803	0.865	0.883	0.062	0.914	36.08	5100	2350	66	106170
0.85±0.020	0.844	0.853	0.917	0.935	0.064	0.966	31.87	5100	2350	66	109280
0.90±0.020	0.894	0.903	0.969	0.987	0.066	1.020	28.35	5100	2351	62	112280
0.95±0.020	0.944	0.953	1.021	1.041	0.068	1.072	25.38	5100	2351	62	116290
1.00±0.030	0.994	1.003	1.075	1.095	0.072	1.138	23.33	5100	2352	58	11202200
1.10±0.030	1.093	1.103	1.179	1.201	0.074	1.242	19.17	5900	2352	54	11202200
1.20±0.030	1.193	1.203	1.279	1.301	0.074	1.342	16.04	5900	2352	54	11313200
1.30±0.030	1.293	1.305	1.383	1.407	0.078	1.448	13.61	5900	2353	50	11313200
1.40±0.030	1.393	1.405	1.483	1.507	0.078	1.548	11.70	5900	2353	46	11313200

1.50±0.030	1.493	1.505	1.587	1.611	0.082	1.654	10.16	5900	2353	46	11423200
1.60±0.030	1.592	1.605	1.687	1.711	0.082	1.754	8.906	5900	2353	42	11423200
1.70±0.030	1.692	1.703	1.789	1.813	0.084	1.856	7.871	6300	2353	--	11533300
1.80±0.030	1.792	1.803	1.889	1.913	0.084	1.956	7.007	6300	2354	--	11533300
1.90±0.030	1.892	1.903	1.993	2.017	0.088	2.062	6.278	6300	2354	--	11633300
2.00±0.030	1.992	2.003	2.093	2.117	0.088	2.162	5.656	6300	3304	--	11633300
2.10±0.030	2.090	2.104	2.195	2.221	0.090	2.266	5.123	6300	3304	--	11643300
2.20±0.030	2.19	2.204	2.297	2.323	0.092	2.368	4.662	6300	3305	--	11743300
2.30±0.030	2.29	2.304	2.397	2.423	0.092	2.468	4.260	6300	3305	--	11743300
2.40±0.030	2.390	2.404	2.501	2.529	0.096	2.574	3.908	6300	3305	--	11854300
2.50±0.030	2.490	2.504	2.603	2.631	0.098	2.678	3.598	6300	3305	--	11854300
2.60±0.030	2.590	2.604	2.703	2.731	0.098	2.778	3.324	6300	3305	--	11854300
2.70±0.030	2.690	2.704	2.803	2.831	0.098	2.878	3.079	6300	3305	--	---
2.80±0.030	2.790	2.804	2.903	2.931	0.098	2.978	2.861	6300	3306	--	---
2.90±0.030	2.890	2.904	3.003	3.031	0.098	3.078	2.665	6300	3306	--	---
3.00±0.030	2.99	3.004	3.103	3.131	0.098	3.178	2.489	6300	3306	--	---
3.20±0.030	3.19	3.204	3.303	3.335	0.098	3.388	2.198	6300	3306	--	---



Pacific Electric Wire & Cable (Shenzhen) Co., Ltd.



13265485132



sales09@pewsc.com



enamel-wire.com

No.9 Jin Long 4 Road Bao long Industrail Estate Longgang,Shenzhen, China

