Heat Resistant Modifed Polyester Natural Color PEWF Enamelled Round Copper for Electric Appliances

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: PEWSC
- Certification: UL,ROHS
- Model Number: PEWF
- Minimum Order Quantity: 300KG-500KG
- Price: Copper Price plus Processing Fee plus Freight
- Packaging Details: Carton
- Delivery Time: 3-5 Work Days
- Payment Terms: 100% Cash on payments, T/T
- Supply Ability: Delivery 10-15 Days after Next Order

Product Specification

- Insualtion Type: Copper
- Wire Diameter: 0.10mm-3.264mm
- Usage: For Electric Appliances
- Temperature Grade: Natural
- Conductor Diameter: Class Zero
- Thermal Class: Class 155
- Shape: Round
- Delivery: Timely Delivery Guaranted
- Highlight: **Natural Color Enamelled Round Copper**, **Heat Resistant Enamelled Round Copper**, **Electric Appliances Enamelled Round Copper**

Our Product Introduction

Product Description

PEWF U0 enameled wire represents the finest manufacturing standard for electromagnetic wire in the field of electrical materials and is designed for the most demanding industrial applications. It utilizes the most selective raw materials and state-of-the-art production techniques to ensure unparalleled performance and reliability in a variety of extreme environments.

1. Excellent flexibility: PEWF's polyurethane outer layer has been specially pliable to provide a high degree of flexibility while maintaining good abrasion resistance. This facilitates molding and winding.

2.Good insulation properties: PEWF's modified polyester insulation layer thickness can reach 0.1-0.3mm, which can provide reliable insulation protection at higher voltages.

3. Excellent abrasion resistance: PEWF's outer polyurethane coating has high hardness and abrasion resistance, which can better resist various mechanical stresses and abrasions during the manufacturing process of motor stator windings.

Overall, PEWF is a high-end enameled wire with excellent performance in terms of abrasion resistance, flexibility, insulation and heat resistance. It is widely used in the manufacture of key components for high power motors, large transformers and other industrial fields.

JIS---0種													Unit mm	
Diameter of Conduct	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)			JIS	AWG		Average	Minimum
0.06±0.003	0.059	0.061	0.093	0.098	0.103	0.030	0.110	6966	2500	10	15	--	--	--
0.07±0.003	0.069	0.071	0.103	0.108	0.113	0.030	0.120	4990	2500	10	17	--	--	--
0.08±0.003	0.079	0.081	0.115	0.120	0.125	0.032	0.133	3778	3000	10	17	--	--	--
0.09±0.003	0.089	0.091	0.125	0.130	0.135	0.032	0.143	2959	3000	10	18	--	--	--
0.10±0.008	0.098	0.101	0.134	0.139	0.144	0.032	0.156	2647	3500	15	19	--	--	--
0.11±0.008	0.108	0.111	0.144	0.149	0.154	0.032	0.166	2153	3500	15	19	--	--	--

0.12±0.008	0.118	0.121	0.156	0.161	0.166	0.034	0.180	1786	3750	15	20	--	--	--
0.13±0.008	0.128	0.131	0.162	0.171	0.176	0.034	0.190	1505	3750	15	20	--	--	--
0.14±0.008	0.138	0.141	0.176	0.181	0.186	0.034	0.200	1286	3750	15	21	--	--	--
0.15±0.008	0.148	0.151	0.186	0.191	0.196	0.034	0.210	1111	3750	15	21	--	--	--
0.16±0.008	0.158	0.161	0.198	0.203	0.208	0.036	0.222	969.5	3750	15	22	--	--	--
0.17±0.008	0.168	0.171	0.208	0.213	0.218	0.036	0.232	853.5	3750	15	23	--	--	--
0.18±0.008	0.178	0.181	0.220	0.225	0.230	0.038	0.246	757.2	3800	15	23	--	--	--
0.19±0.008	0.188	0.191	0.230	0.235	0.240	0.038	0.256	676.2	3800	15	23	--	--	--
0.20±0.008	0.198	0.201	0.240	0.245	0.250	0.038	0.266	607.6	3800	15	24	--	--	--
0.21±0.008	0.207	0.212	0.250	0.255	0.260	0.038	0.276	549.0	3800	15	24	--	--	--
0.22±0.008	0.217	0.222	0.260	0.265	0.270	0.038	0.286	498.4	3800	15	24	--	--	--
0.23±0.008	0.227	0.232	0.272	0.277	0.282	0.040	0.298	454.5	3800	15	24	--	--	--
0.24±0.008	0.237	0.242	0.282	0.287	0.292	0.040	0.308	416.2	3800	15	24	--	--	--
0.25±0.008	0.247	0.252	0.292	0.297	0.302	0.040	0.318	382.5	3800	15	25	66	--	--
0.26±0.010	0.257	0.262	0.302	0.307	0.312	0.040	0.330	358.4	3800	15	25	66	551	479
0.27±0.010	0.267	0.272	0.312	0.317	0.322	0.040	0.340	331.4	3800	15	26	61	551	479
0.28±0.010	0.277	0.282	0.322	0.327	0.332	0.040	0.350	307.3	3800	15	26	61	561	479
0.29±0.010	0.287	0.292	0.332	0.337	0.342	0.040	0.360	285.7	3800	20	26	61	561	490
0.30±0.010	0.297	0.302	0.344	0.349	0.354	0.042	0.374	262.9	4200	20	26	61	592	510

0.32±0.010	0.316	0.322	0.364	0.369	0.374	0.042	0.394	230.0	4200	20	26	55	602	510
0.35±0.010	0.346	0.352	0.394	0.399	0.404	0.042	0.424	191.2	4200	20	27	50	612	520
0.37±0.010	0.366	0.372	0.416	0.421	0.426	0.044	0.446	170.6	4200	20	27	50	643	551
0.40±0.010	0.396	0.402	0.448	0.454	0.460	0.046	0.480	145.3	4200	20	27	76	683	581
0.45±0.010	0.445	0.452	0.500	0.506	0.512	0.048	0.532	114.2	4200	20	28	72	724	622
0.50±0.010	0.495	0.502	0.552	0.558	0.564	0.050	0.586	91.43	4500	20	28	67	765	653
0.55±0.020	0.545	0.552	0.602	0.608	0.614	0.050	0.646	78.15	4500	20	29	62	775	663
0.60±0.020	0.595	0.602	0.654	0.661	0.668	0.052	0.698	65.26	4500	20	29	62	816	694
0.65±0.020	0.645	0.653	0.707	0.7115	0.723	0.054	0.752	55.31	4500	20	29	58	857	734
0.70±0.020	0.695	0.703	0.759	0.767	0.775	0.056	0.804	47.47	4500	20	30	53	898	765
0.75±0.020	0.745	0.753	0.813	0.822	0.831	0.060	0.860	41.19	5100	20	30	53	979	826
0.80±0.020	0.794	0.803	0.865	0.874	0.883	0.062	0.914	36.08	5100	25	30	66	1010	867
0.85±0.020	0.844	0.853	0.917	0.926	0.935	0.064	0.966	31.87	5100	25	30	66	1020	898
0.90±0.020	0.894	0.903	0.969	0.978	0.987	0.066	1.020	28.35	5100	25	31	62	1120	928
0.95±0.020	0.944	0.953	1.021	1.031	1.041	0.068	1.072	25.38	5100	25	31	62	1120	969
1.00±0.030	0.994	1.003	1.075	1.085	1.095	0.072	1.138	23.33	5100	25	32	58	1220	1020
1.10±0.030	1.093	1.103	1.179	1.190	1.201	0.074	1.242	19.17	5900	25	32	54	1220	1020
1.20±0.030	1.193	1.203	1.279	1.290	1.301	0.074	1.342	16.04	5900	25	32	54	1330	1120
1.30±0.030	1.293	1.305	1.383	1.395	1.407	0.078	1.448	13.61	5900	25	33	50	1330	1120

1.40±0.030	1.393	1.405	1.483	1.495	1.507	0.078	1.548	11.70	5900	25	33	46	1330	1120
1.50±0.030	1.493	1.505	1.587	1.599	1.611	0.082	1.654	10.16	5900	25	33	46	1430	1220
1.60±0.030	1.592	1.605	1.687	1.699	1.711	0.082	1.754	8.906	5900	25	33	42	1430	1220
1.70±0.030	1.692	1.703	1.789	1.801	1.813	0.084	1.856	7.871	6300	25	33	--	1530	1330
1.80±0.030	1.792	1.803	1.889	1.901	1.913	0.084	1.956	7.007	6300	25	34	--	1530	1330
1.90±0.030	1.892	1.903	1.993	2.005	2.017	0.088	2.062	6.278	6300	25	34	--	1630	1330
2.00±0.030	1.992	2.003	2.093	2.105	2.117	0.088	2.162	5.656	6300	30	34	--	1630	1330
2.10±0.030	2.090	2.104	2.195	2.208	2.221	0.090	2.266	5.123	6300	30	34	--	1630	1430
2.20±0.030	2.19	2.204	2.297	2.310	2.323	0.092	2.368	4.662	6300	30	35	--	1730	1430
2.30±0.030	2.29	2.304	2.397	2.410	2.423	0.092	2.468	4.260	6300	30	35	--	1730	1430
2.40±0.030	2.390	2.404	2.501	2.515	2.529	0.096	2.574	3.908	6300	30	35	--	1840	1530
2.50±0.030	2.490	2.504	2.603	2.617	2.631	0.098	2.678	3.598	6300	30	35	--	1840	1530
2.60±0.030	2.590	2.604	2.703	2.717	2.731	0.098	2.778	3.324	6300	30	35	--	1840	1530
2.70±0.030	2.690	2.704	2.803	2.817	2.831	0.098	2.878	3.079	6300	30	35	--	--	--
2.80±0.030	2.790	2.804	2.903	2.917	2.931	0.098	2.978	2.861	6300	30	36	--	--	--
2.90±0.030	2.890	2.904	3.003	3.017	3.031	0.098	3.078	2.665	6300	30	36	--	--	--
3.00±0.030	2.99	3.004	3.103	3.117	3.131	0.098	3.178	2.489	6300	30	36	--	--	--
3.20±0.030	3.19	3.204	3.303	3.319	3.335	0.098	3.388	2.198	6300	30	36	--	--	--

13265485132 sales09@pewsc.com enamel-wire.com
No.9 Jin Long 4 Road Bao long Industrail Estate Longgang,Shenzhen, China