



## PEWF U1 Modified Polyester Copper Wire Thermal Class 155 For high temperature motor

Our Product Introduction

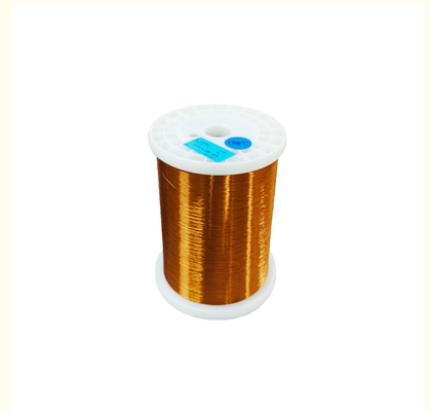
### Basic Information

- Place of Origin: China
- Brand Name: PEWSC
- Certification: UL,ROHS
- Model Number: PEWF U1
- 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

- Product Type: Enameled Copper Winding Wire
- Conductor Material: Copper
- Insulation Material: Enameled
- Insulation Thickness: Class 1
- Conductor Diameter: 0.10mm-3.20mm
- Application: For High Temperature Moter
- Standard: JIS
- Color: Red Blue Green Yellow Black Natural
- Insulation Class: Class 155
- Conductor Shape: Round
- Highlight: **Modified Polyester Copper Wire, PEWF U1 Copper Wire, Thermal Class 155 Copper Wire**



### More Images



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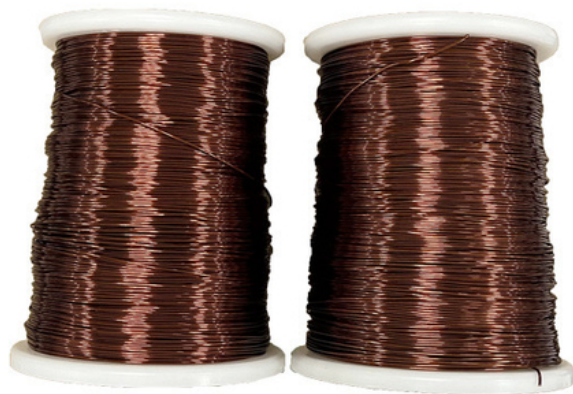
## Product Description

**PEWF is an enameled wire product that utilizes Modified Polyester as the insulating material and is coated with Polyurethane. It has the following characteristics.**

1. Excellent heat resistance. PEWF is heat resistant up to 155°C
2. excellent abrasion resistance. the PEWF outer polyurethane coating has high hardness and abrasion resistance, which can better resist various mechanical stresses and abrasion during the manufacturing process of motor stator windings.
3. Excellent flexibility: PEWF's polyurethane outer layer has been specially pliable to maintain good abrasion resistance and at the same time has a high degree of flexibility. This facilitates molding and winding of the wire.

With its high-quality copper conductor and high-performance polyesterimide enamel coating, the enameled wire PEWF U1 offers a reliable and efficient solution for a wide range of electrical applications. Its resistance to high temperatures, abrasion and corrosion makes it an ideal choice for many industries. Choose PEWF U1 enameled wire for more consistent performance and longer service life of your electrical system.







JIS---1											Unit							
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							
	Lower Limit	Upper Limit	Lower Limit	Median	Upper Limit	Min. Increase in Diameter (mm)						Max. Finished overall Diameter (mm)	J	A	I	W	S	G
0.050±0.003	0.049	0.051	0.069	0.074	0.079	0.016	0.083	10240	1900	1104	--	----						
0.060±0.003	0.059	0.061	0.079	0.084	0.089	0.016	0.096	6966	1900	1105	--	----						
0.070±0.003	0.069	0.071	0.089	0.094	0.099	0.016	0.106	4990	1900	1107	--	----						
0.080±0.003	0.079	0.081	0.103	0.108	0.113	0.018	0.118	3778	2000	1107	--	----						
0.090±0.003	0.089	0.091	0.113	0.118	0.123	0.018	0.128	2959	2000	1108	--	----						
0.10±0.008	0.099	0.101	0.120	0.124	0.128	0.018	0.140	2647	2000	1159	--	----						

0.11±0.008	0.109	0.111	0.130	0.1334	0.018	0.150	2153	2000	1159	--	---
0.12±0.008	0.119	0.121	0.142	0.1546	0.020	0.162	1786	2200	1250	--	---
0.13±0.008	0.129	0.131	0.152	0.1656	0.020	0.172	1505	2200	1250	--	---
0.14±0.008	0.139	0.141	0.162	0.1766	0.020	0.182	1286	2200	1251	--	---
0.15±0.008	0.149	0.151	0.172	0.1876	0.020	0.192	1111	2200	1251	--	---
0.16±0.008	0.159	0.161	0.184	0.1988	0.022	0.204	969.5	2200	1252	--	---
0.17±0.008	0.169	0.171	0.194	0.2098	0.022	0.214	853.5	2200	1253	--	---
0.18±0.008	0.179	0.181	0.206	0.2210	0.024	0.226	757.2	2400	1253	--	---
0.19±0.008	0.189	0.191	0.216	0.2320	0.024	0.236	676.2	2400	1253	--	---
0.20±0.008	0.198	0.201	0.226	0.2430	0.024	0.246	607.6	2400	1254	--	---
0.21±0.008	0.208	0.212	0.236	0.2540	0.024	0.256	549.0	2400	1254	--	---
0.22±0.008	0.218	0.222	0.246	0.2650	0.024	0.266	498.4	2400	1254	--	---
0.23±0.008	0.228	0.232	0.258	0.2762	0.026	0.278	454.5	2400	1254	--	---
0.24±0.008	0.238	0.242	0.268	0.2872	0.026	0.288	416.2	2400	1254	--	---
0.25±0.008	0.248	0.252	0.278	0.2982	0.026	0.298	382.5	2400	1255	66	---
0.26±0.010	0.258	0.262	0.288	0.3092	0.026	0.310	358.4	2400	1255	66	335076
0.27±0.010	0.268	0.272	0.298	0.3202	0.026	0.320	331.4	2400	1256	61	335076
0.28±0.010	0.278	0.282	0.308	0.3312	0.026	0.330	307.3	2400	1256	61	336076
0.29±0.010	0.288	0.292	0.318	0.3422	0.026	0.340	285.7	2400	2206	61	336176

0.30±0.010	0.298	0.302	0.330	0.340	0.028	0.352	262.9	2800	2206	61	339387
0.32±0.010	0.317	0.322	0.350	0.360	0.028	0.372	230.0	2800	2206	55	339387
0.35±0.010	0.347	0.352	0.380	0.390	0.028	0.402	191.2	2800	2207	50	430487
0.37±0.010	0.367	0.372	0.400	0.410	0.028	0.424	170.6	2800	2207	50	430487
0.40±0.010	0.397	0.402	0.432	0.444	0.030	0.456	145.3	2800	2207	76	434797
0.45±0.010	0.446	0.452	0.484	0.496	0.032	0.508	114.2	2800	2208	72	447098
0.50±0.010	0.496	0.502	0.536	0.548	0.034	0.560	91.43	3050	2208	67	542409
0.55±0.020	0.546	0.552	0.586	0.600	0.034	0.620	78.15	3050	2209	62	542409
0.60±0.020	0.596	0.602	0.636	0.650	0.034	0.672	65.26	3050	2209	62	543509
0.65±0.020	0.646	0.653	0.689	0.705	0.036	0.724	55.31	3050	2209	58	547910
0.70±0.020	0.696	0.703	0.741	0.757	0.038	0.776	47.47	3050	2300	53	651220
0.75±0.020	0.746	0.753	0.793	0.809	0.040	0.830	41.19	3400	2350	53	655531
0.80±0.020	0.795	0.803	0.845	0.861	0.042	0.882	36.08	3400	2350	66	658831
0.85±0.020	0.845	0.853	0.897	0.913	0.044	0.934	31.87	3400	2350	66	762142
0.90±0.020	0.895	0.903	0.949	0.965	0.046	0.986	28.35	3400	2351	62	766553
0.95±0.020	0.945	0.953	1.001	1.017	0.048	1.038	25.38	3400	2351	62	860863
1.00±0.030	0.995	1.003	1.053	1.071	0.050	1.102	23.33	3400	2352	58	874174
1.10±0.030	1.094	1.103	1.157	1.175	0.052	1.204	19.17	4150	2352	54	878575
1.20±0.030	1.194	1.203	1.257	1.275	0.052	1.304	16.04	4150	2352	54	879575

1.30±0.030	1.294	1.303	1.359 368	1.377	0.054	1.408	13.61	4150	235 33	50	97 39 86
1.40±0.030	1.394	1.403	1.454 968	1.477	0.054	1.508	11.7	4150	235 53	46	98 40 96
1.50±0.030	1.494	1.503	1.551 71	1.581	0.056	1.612	10.16	4150	235 53	46	18 03 06
1.60±0.030	1.593	1.603	1.661 71	1.681	0.056	1.712	8.906	4150	235 53	42	18 04 07
1.70±0.030	1.693	1.703	1.763 73	1.783	0.058	1.814	7.871	4350	235 53	--	18 08 27
1.80±0.030	1.793	1.803	1.863 73	1.883	0.058	1.914	7.007	4350	235 54	--	18 08 27
1.90±0.030	1.893	1.903	1.965 75	1.985	0.060	2.018	6.278	4350	235 54	--	19 12 28
2.00±0.030	1.993	2.003	2.060 56	2.087	0.060	2.118	5.656	4350	330 04	--	19 13 28
2.10±0.030	2.092	2.104	2.167 78	2.189	0.062	2.220	5.123	4350	330 04	--	19 16 29
2.20±0.030	2.192	2.204	2.269 80	2.291	0.064	2.322	4.662	4350	330 05	--	11 20 20
2.30±0.030	2.292	2.304	2.363 80	2.391	0.064	2.422	4.260	4350	330 05	--	11 20 21
2.40±0.030	2.392	2.404	2.471 82	2.493	0.066	2.526	3.908	4350	330 05	--	11 20 22
2.50±0.030	2.492	2.504	2.573 85	2.597	0.068	2.628	3.598	4350	330 05	--	11 31 32
2.60±0.030	2.590	2.604	2.673 85	2.697	0.068	2.728	3.324	4350	330 05	--	11 31 32
2.70±0.030	2.69	2.704	2.773 85	2.797	0.068	2.828	3.079	4350	330 05	--	---
2.80±0.030	2.79	2.804	2.873 85	2.897	0.068	2.928	2.861	4350	330 06	--	---
2.90±0.030	2.89	2.904	2.973 85	2.997	0.068	3.028	2.665	4350	330 06	--	---
3.00±0.030	2.990	3.004	3.070 85	3.097	0.068	3.128	2.489	4350	330 06	--	---
3.20±0.040	3.19	3.204	3.273 85	3.297	0.068	3.338	2.198	4350	330 06	--	---



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