



0.1mm-2.20mm enamelled wire PEWN U1 Overcoat polyamide Non weldable 155 Thermal Class 155

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: PEWSC
- Certification: UL,ROHS
- Model Number: PEWN 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 Name: PEWN U1
- Conductor Material: Copper
- Rated Voltage: 2800V The Voltage Resistance Varies According To The Thickness Of The Film And The Size Of The Specification
- Temperature Grade: 155°C
- Applications: For General Motor, Transformer
- Enamel Thickness: U1
- Color Options: Natural, Red, Blue
- Sample: Free
- Warranty: 3 Years
- Shape: Round
- Package: Carton
- Highlight: **PEWN U1 enamelled wire**

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

Product Description

U1 is a single-layer winding enameled wire, winding is relatively simple, mainly used for low power and low-current occasions.

PEWN is a special enameled wire made of polyimide as insulating material and coated with Nylon. PEWN has the following characteristics.

1. excellent heat resistance, PEWN can withstand heat up to 155°C, very suitable for high temperature environment of the motor and transformer winding manufacturing.
2. excellent mechanical strength. PEWN outer nylon material has high mechanical toughness and abrasion resistance, and can effectively resist the various mechanical stresses in the manufacturing process of motor stator windings.
3. good electrical properties. PEWN's polyimide insulation layer thickness of up to 0.1-0.5mm, in higher voltage conditions can still provide reliable insulation protection.

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	Max. Upper Limit	Min. Increase in Diameter (mm)	Max. Finished overall Diameter (mm)			J	A			I	W
0.050±0.003	0.049	0.051	0.069	0.074	0.016	0.083	10240	1900	1	1	0	4	--	----
0.060±0.003	0.059	0.061	0.079	0.084	0.016	0.096	6966	1900	1	1	0	5	--	----
0.070±0.003	0.069	0.071	0.089	0.094	0.016	0.106	4990	1900	1	1	0	7	--	----
0.080±0.003	0.079	0.081	0.103	0.108	0.018	0.118	3778	2000	1	1	0	7	--	----
0.090±0.003	0.089	0.091	0.113	0.118	0.018	0.128	2959	2000	1	1	0	8	--	----
0.10±0.008	0.099	0.101	0.120	0.124	0.018	0.140	2647	2000	1	1	5	9	--	----
0.11±0.008	0.109	0.111	0.130	0.134	0.018	0.150	2153	2000	1	1	5	9	--	----
0.12±0.008	0.119	0.121	0.142	0.146	0.020	0.162	1786	2200	1	2	5	0	--	----
0.13±0.008	0.129	0.131	0.152	0.156	0.020	0.172	1505	2200	1	2	5	0	--	----
0.14±0.008	0.139	0.141	0.162	0.166	0.020	0.182	1286	2200	1	2	5	1	--	----

0.15±0.008	0.149	0.151	0.172	0.176	0.180	0.020	0.192	1111	2200	1251	--	---
0.16±0.008	0.159	0.161	0.184	0.188	0.192	0.022	0.204	969.5	2200	1252	--	---
0.17±0.008	0.169	0.171	0.194	0.198	0.202	0.022	0.214	853.5	2200	1253	--	---
0.18±0.008	0.179	0.181	0.206	0.210	0.214	0.024	0.226	757.2	2400	1253	--	---
0.19±0.008	0.189	0.191	0.216	0.220	0.224	0.024	0.236	676.2	2400	1253	--	---
0.20±0.008	0.198	0.201	0.226	0.230	0.234	0.024	0.246	607.6	2400	1254	--	---
0.21±0.008	0.208	0.212	0.236	0.240	0.244	0.024	0.256	549.0	2400	1254	--	---
0.22±0.008	0.218	0.222	0.246	0.250	0.254	0.024	0.266	498.4	2400	1254	--	---
0.23±0.008	0.228	0.232	0.258	0.262	0.266	0.026	0.278	454.5	2400	1254	--	---
0.24±0.008	0.238	0.242	0.268	0.272	0.276	0.026	0.288	416.2	2400	1254	--	---
0.25±0.008	0.248	0.252	0.278	0.282	0.286	0.026	0.298	382.5	2400	1255	66	---
0.26±0.010	0.258	0.262	0.288	0.292	0.296	0.026	0.310	358.4	2400	1255	66	335076
0.27±0.010	0.268	0.272	0.298	0.302	0.306	0.026	0.320	331.4	2400	1256	61	335076
0.28±0.010	0.278	0.282	0.308	0.312	0.316	0.026	0.330	307.3	2400	1256	61	336076
0.29±0.010	0.288	0.292	0.318	0.322	0.326	0.026	0.340	285.7	2400	2206	61	336176
0.30±0.010	0.298	0.302	0.330	0.335	0.340	0.028	0.352	262.9	2800	2206	61	339387
0.32±0.010	0.317	0.322	0.350	0.355	0.360	0.028	0.372	230.0	2800	2206	55	339387
0.35±0.010	0.347	0.352	0.380	0.385	0.390	0.028	0.402	191.2	2800	2207	50	430487
0.37±0.010	0.367	0.372	0.400	0.405	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	1.377	0.054	1.408	13.61	4150	2353	50	973986
1.40±0.030	1.394	1.403	1.459	1.477	0.054	1.508	11.7	4150	2353	46	984096
1.50±0.030	1.494	1.503	1.561	1.581	0.056	1.612	10.16	4150	2353	46	180306
1.60±0.030	1.593	1.603	1.661	1.681	0.056	1.712	8.906	4150	2353	42	180407

1.70±0.030	1.693	1.703	1.763	1.773	1.783	0.058	1.814	7.871	4350	2353	--	108270
1.80±0.030	1.793	1.803	1.863	1.873	1.883	0.058	1.914	7.007	4350	2354	--	108270
1.90±0.030	1.893	1.903	1.965	1.975	1.985	0.060	2.018	6.278	4350	2354	--	112280
2.00±0.030	1.993	2.003	2.065	2.076	2.087	0.060	2.118	5.656	4350	3304	--	113280
2.10±0.030	2.092	2.104	2.167	2.178	2.189	0.062	2.220	5.123	4350	3304	--	116290
2.20±0.030	2.192	2.204	2.269	2.280	2.291	0.064	2.322	4.662	4350	3305	--	1120200
2.30±0.030	2.292	2.304	2.369	2.380	2.391	0.064	2.422	4.260	4350	3305	--	1121000
2.40±0.030	2.392	2.404	2.471	2.482	2.493	0.066	2.526	3.908	4350	3305	--	1122000
2.50±0.030	2.492	2.504	2.573	2.585	2.597	0.068	2.628	3.598	4350	3305	--	1132000
2.60±0.030	2.590	2.604	2.673	2.685	2.697	0.068	2.728	3.324	4350	3305	--	1132000
2.70±0.030	2.69	2.704	2.773	2.785	2.797	0.068	2.828	3.079	4350	3305	--	---
2.80±0.030	2.79	2.804	2.873	2.885	2.897	0.068	2.928	2.861	4350	3306	--	---
2.90±0.030	2.89	2.904	2.973	2.985	2.997	0.068	3.028	2.665	4350	3306	--	---
3.00±0.030	2.990	3.004	3.073	3.085	3.097	0.068	3.128	2.489	4350	3306	--	---
3.20±0.040	3.19	3.204	3.273	3.285	3.297	0.068	3.338	2.198	4350	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