



0.10mm - 2.20mm Overcoat Polyamide Copper Wire Thermal Class 155 For General Motor

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: PEWSC
- Certification: UL,ROHS
- Model Number: PEFN 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: PEFN U1
- Conductor Material: Copper
- Insulation Material: Enamelled
- Voltage Rating: 2800V The Voltage Resistance Varies According To The Thickness Of The Film And The Size Of The Specification
- Hierarchy Thickness: Class 1
- Temperature: 155
- Specification: 0.10mm-2.20mm
- Applications: For General Motor
- Standard: JIS
- Color: Could Be Customized
- Packaging: Carton
- Highlight: **0.10mm Overcoat Polyamide Copper Wire, 2.20mm Overcoat Polyamide Copper Wire**



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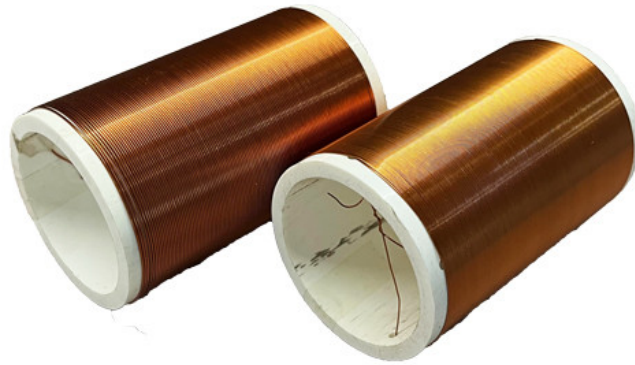
Product Description

0.10mm-2.20mm PEFN U1 Overcoat polyamide Copper Wire Thermal Class 155 For general motor

PEFN is an enameled wire product using Modified Polyester as the insulating material with a protective Nylon coating. Compared with the previously mentioned PEWF, PEFN has the following characteristics.

U1 is a single-wound enameled wire, which is simpler to wind and is mainly used for low power and low current applications.

1. excellent abrasion resistance. the outer nylon protective layer of PEFN has high hardness and abrasion resistance, which can better resist various mechanical stresses and abrasion during the manufacturing process of motor stator windings.
2. Excellent flexibility. The addition of the protective nylon layer does not affect the flexibility of PEFN, which makes it easier to mold and wind the motor windings.
3. Polyester wire enamel has good mechanical strength, film adhesion properties, excellent electrical properties, chemical resistance, thermal stability and solvent resistance, suitable for electronic communications lighting coils, sealed submersible motors, micro-generators, heat-resistant transformers, contactors and solenoid valves and other fields.



JIS---1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)
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	0.07 9 8 4	0.08 9	0.016	0.096	6966	1900	1 0 5	1	--	---
0.070± 0.003	0.069	0.071	0.08 9 4	0.09 9	0.016	0.106	4990	1900	1 0 7	1	--	---
0.080± 0.003	0.079	0.081	0.10 3 0 8	0.11 3	0.018	0.118	3778	2000	1 0 7	1	--	---
0.090± 0.003	0.089	0.091	0.11 3 1 8	0.12 3	0.018	0.128	2959	2000	1 0 8	1	--	---
0.10±0. 008	0.099	0.101	0.12 0 2 4	0.12 8	0.018	0.140	2647	2000	1 5 9	1	--	---
0.11±0. 008	0.109	0.111	0.13 0 3 4	0.13 8	0.018	0.150	2153	2000	1 5 9	1	--	---
0.12±0. 008	0.119	0.121	0.14 2 4 6	0.15 0	0.020	0.162	1786	2200	1 2 5 0	2	--	---
0.13±0. 008	0.129	0.131	0.15 2 5 6	0.16 0	0.020	0.172	1505	2200	1 2 5 0	2	--	---
0.14±0. 008	0.139	0.141	0.16 2 6 6	0.17 0	0.020	0.182	1286	2200	1 2 5 1	2	--	---
0.15±0. 008	0.149	0.151	0.17 2 7 6	0.18 0	0.020	0.192	1111	2200	1 2 5 1	2	--	---
0.16±0. 008	0.159	0.161	0.18 4 8 8	0.19 2	0.022	0.204	969.5	2200	1 2 5 2	2	--	---
0.17±0. 008	0.169	0.171	0.19 4 9 8	0.20 2	0.022	0.214	853.5	2200	1 2 5 3	2	--	---
0.18±0. 008	0.179	0.181	0.20 6 1 0	0.21 4	0.024	0.226	757.2	2400	1 2 5 3	2	--	---
0.19±0. 008	0.189	0.191	0.21 6 2 0	0.22 4	0.024	0.236	676.2	2400	1 2 5 3	2	--	---
0.20±0. 008	0.198	0.201	0.22 6 3 0	0.23 4	0.024	0.246	607.6	2400	1 2 5 4	2	--	---
0.21±0. 008	0.208	0.212	0.23 6 4 0	0.24 4	0.024	0.256	549.0	2400	1 2 5 4	2	--	---
0.22±0. 008	0.218	0.222	0.24 6 5 0	0.25 4	0.024	0.266	498.4	2400	1 2 5 4	2	--	---
0.23±0. 008	0.228	0.232	0.25 8 6 2	0.26 6	0.026	0.278	454.5	2400	1 2 5 4	2	--	---
0.24±0. 008	0.238	0.242	0.26 8 7 2	0.27 6	0.026	0.288	416.2	2400	1 2 5 4	2	--	---

0.25±0.008	0.248	0.252	0.278	0.286	0.026	0.298	382.5	2400	15	25	66	---
0.26±0.010	0.258	0.262	0.288	0.296	0.026	0.310	358.4	2400	15	25	66	335076
0.27±0.010	0.268	0.272	0.298	0.306	0.026	0.320	331.4	2400	15	26	61	335076
0.28±0.010	0.278	0.282	0.308	0.316	0.026	0.330	307.3	2400	15	26	61	336076
0.29±0.010	0.288	0.292	0.318	0.326	0.026	0.340	285.7	2400	20	26	61	336176
0.30±0.010	0.298	0.302	0.330	0.340	0.028	0.352	262.9	2800	20	26	61	339387
0.32±0.010	0.317	0.322	0.350	0.360	0.028	0.372	230.0	2800	20	26	55	339387
0.35±0.010	0.347	0.352	0.380	0.390	0.028	0.402	191.2	2800	20	27	50	430487
0.37±0.010	0.367	0.372	0.400	0.410	0.028	0.424	170.6	2800	20	27	50	430487
0.40±0.010	0.397	0.402	0.432	0.444	0.030	0.456	145.3	2800	20	27	76	434797
0.45±0.010	0.446	0.452	0.484	0.496	0.032	0.508	114.2	2800	20	28	72	447098
0.50±0.010	0.496	0.502	0.536	0.548	0.034	0.560	91.43	3050	20	28	67	542409
0.55±0.020	0.546	0.552	0.586	0.600	0.034	0.620	78.15	3050	20	29	62	542409
0.60±0.020	0.596	0.602	0.636	0.650	0.034	0.672	65.26	3050	20	29	62	543509
0.65±0.020	0.646	0.653	0.689	0.705	0.036	0.724	55.31	3050	20	29	58	547910
0.70±0.020	0.696	0.703	0.741	0.757	0.038	0.776	47.47	3050	23	30	53	651220
0.75±0.020	0.746	0.753	0.793	0.809	0.040	0.830	41.19	3400	23	30	53	655531
0.80±0.020	0.795	0.803	0.845	0.861	0.042	0.882	36.08	3400	23	30	66	658831
0.85±0.020	0.845	0.853	0.897	0.913	0.044	0.934	31.87	3400	23	30	66	762142

0.90±0.020	0.895	0.903	0.949 957	0.965 5	0.046	0.986	28.35	3400	2351	62	76 65 53
0.95±0.020	0.945	0.953	1.001 009	1.017 7	0.048	1.038	25.38	3400	2351	62	86 08 63
1.00±0.030	0.995	1.003	1.053 622	1.071 1	0.050	1.102	23.33	3400	2352	58	87 41 74
1.10±0.030	1.094	1.103	1.157 666	1.175 5	0.052	1.204	19.17	4150	2352	54	87 85 75
1.20±0.030	1.194	1.203	1.257 666	1.275 5	0.052	1.304	16.04	4150	2352	54	87 95 75
1.30±0.030	1.294	1.303	1.359 688	1.377 7	0.054	1.408	13.61	4150	2353	50	97 39 86
1.40±0.030	1.394	1.403	1.459 688	1.477 7	0.054	1.508	11.7	4150	2353	46	98 40 96
1.50±0.030	1.494	1.503	1.561 711	1.581 1	0.056	1.612	10.16	4150	2353	46	108 03 06
1.60±0.030	1.593	1.603	1.661 711	1.681 1	0.056	1.712	8.906	4150	2353	42	108 04 07 00
1.70±0.030	1.693	1.703	1.763 733	1.783 3	0.058	1.814	7.871	4350	2353	--	108 27 00
1.80±0.030	1.793	1.803	1.863 733	1.883 3	0.058	1.914	7.007	4350	2354	--	108 27 00
1.90±0.030	1.893	1.903	1.965 755	1.985 5	0.060	2.018	6.278	4350	2354	--	109 12 28 00
2.00±0.030	1.993	2.003	2.065 766	2.087 7	0.060	2.118	5.656	4350	3304	--	109 13 28 00
2.10±0.030	2.092	2.104	2.167 788	2.189 9	0.062	2.220	5.123	4350	3304	--	109 16 29 00
2.20±0.030	2.192	2.204	2.269 800	2.291 1	0.064	2.322	4.662	4350	3305	--	110 20 20 00
2.30±0.030	2.292	2.304	2.369 800	2.391 1	0.064	2.422	4.260	4350	3305	--	110 21 00
2.40±0.030	2.392	2.404	2.471 822	2.493 3	0.066	2.526	3.908	4350	3305	--	110 22 00
2.50±0.030	2.492	2.504	2.573 855	2.597 7	0.068	2.628	3.598	4350	3305	--	110 31 32 00
2.60±0.030	2.590	2.604	2.673 855	2.697 7	0.068	2.728	3.324	4350	3305	--	110 31 32 00

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	--	---



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