0.08mm - 3.20mm Polyester Enameled Copper Wire PEW U2 Non Weldable For Transformer

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: PEWSC
- Certification: UL
- Model Number: 0.08mm-3.20mm
- 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: PEW U2
- Conductor Material: Copper
- Voltage Rating: 2800V The Voltage Resistance Varies According To The Thickness Of The Film And The Size Of The Specification
- Theramal Class: 155
- Applications: For Transformer
- Color Options: Could Be Customized
- Hierarchy Thichness: Class Two
- Sample: Free
- Warranty: 3 Years
- Highlight: **Polyester Enameled Copper Wire Non Weldable, Transformer Polyester Enameled Copper Wire**

Product Description

0.08mm-3.20mm polyester enamelled wire PEW U2 Non weldable 155 Thermal Class 155

U2 and U3 are double-layer and triple-layer windings respectively, which are more suitable for higher power and current applications and have better electromagnetic shielding performance.

The material and structure of PEW is relatively simple, which makes it easier to control the winding and molding process of the motor winding.

Good basic performance, PEW insulation layer thickness is generally 0.05-0.2mm, can provide basic insulation protection. At the same time, it also has a certain degree of heat resistance and mechanical strength.

Overall, PEW is a basic type of enameled wire with moderate performance and low cost, which is widely used in the manufacture of industrial motors, transformers and other common electrical equipment.

JIS---2種													Unit mm	
Diameter of Conduct	Conductor Control Benchmarks		OD Control Benchmarks			Specification Boundaries		Conductor Resistance 20 (Ω/KM)	Insulation breakdownvoltage (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
0.04±0.002	0.039	0.041	0.047	0.050	0.053	0.006	0.056	15670	200	7	11	--	--	--
0.05±0.003	0.049	0.051	0.059	0.062	0.065	0.008	0.069	10240	950	10	14	--	--	--

0.06±0.003	0.059	0.061	0.069	0.072	0.075	0.008	0.081	6966	950	10	15	--	--	--
0.07±0.003	0.069	0.071	0.079	0.082	0.085	0.008	0.091	4990	950	10	17	--	--	--
0.08±0.003	0.079	0.081	0.091	0.095	0.099	0.010	0.103	3778	1100	10	17	--	--	--
0.09±0.003	0.089	0.091	0.102	0.106	0.110	0.010	0.113	2959	1100	10	18	--	--	--
0.10±0.003	0.099	0.101	0.112	0.116	0.120	0.010	0.125	2381	1100	15	19	--	--	--
0.11±0.003	0.109	0.111	0.122	0.126	0.130	0.010	0.135	1957	1100	15	19	--	--	--
0.12±0.003	0.119	0.121	0.134	0.138	0.142	0.012	0.147	1636	1300	15	20	--	--	--
0.13±0.003	0.129	0.131	0.144	0.148	0.152	0.012	0.157	1389	1300	15	20	--	--	--
0.14±0.003	0.139	0.141	0.154	0.158	0.162	0.012	0.167	1193	1300	15	21	--	--	--
0.15±0.003	0.149	0.151	0.164	0.168	0.172	0.012	0.177	1037	1300	15	21	--	--	--
0.16±0.003	0.159	0.161	0.176	0.180	0.184	0.014	0.189	908.8	1300	15	22	--	--	--
0.17±0.003	0.169	0.171	0.186	0.190	0.194	0.014	0.199	803.2	1300	15	23	--	--	--
0.18±0.003	0.179	0.181	0.198	0.202	0.206	0.016	0.211	715.0	1600	15	23	--	--	--
0.19±0.003	0.189	0.191	0.208	0.212	0.216	0.016	0.221	640.6	1600	15	23	--	--	--
0.20±0.003	0.198	0.201	0.218	0.222	0.226	0.016	0.231	577.2	1600	15	24	--	--	--
0.21±0.003	0.208	0.212	0.228	0.232	0.236	0.016	0.241	522.8	1600	15	24	--	--	--
0.22±0.004	0.218	0.222	0.238	0.242	0.246	0.016	0.252	480.1	1600	15	24	--	--	--
0.23±0.004	0.228	0.232	0.250	0.254	0.258	0.018	0.264	438.6	1600	15	24	--	--	--
0.24±0.004	0.238	0.242	0.260	0.264	0.268	0.018	0.274	402.2	1600	15	24	--	--	--

0.25±0.004	0.248	0.252	0.270	0.274	0.278	0.018	0.284	370.2	1600	15	25	66	--	--
0.26±0.004	0.258	0.262	0.280	0.284	0.288	0.018	0.294	341.8	1600	15	25	66	243	204
0.27±0.004	0.268	0.272	0.290	0.294	0.298	0.018	0.304	316.6	1600	15	26	61	243	204
0.28±0.004	0.278	0.282	0.300	0.304	0.308	0.018	0.314	294.1	1600	15	26	61	243	204
0.29±0.004	0.288	0.292	0.310	0.315	0.320	0.018	0.324	273.9	1600	20	26	61	243	204
0.30±0.005	0.298	0.302	0.322	0.327	0.332	0.020	0.337	254.0	2000	20	26	61	265	235
0.32±0.005	0.317	0.322	0.342	0.347	0.352	0.020	0.357	222.8	2000	20	26	55	275	235
0.35±0.005	0.347	0.352	0.372	0.377	0.382	0.020	0.387	185.7	2000	20	27	50	275	235
0.37±0.005	0.367	0.372	0.392	0.397	0.402	0.020	0.407	165.9	2000	20	27	50	275	235
0.40±0.005	0.397	0.402	0.424	0.429	0.434	0.022	0.439	141.7	2000	20	27	76	306	265
0.45±0.006	0.446	0.452	0.474	0.479	0.484	0.022	0.490	112.1	2000	20	28	72	316	265
0.50±0.006	0.496	0.502	0.526	0.531	0.536	0.024	0.542	89.95	2150	20	28	67	357	296
0.55±0.006	0.546	0.552	0.576	0.581	0.586	0.024	0.592	74.18	2150	20	29	62	357	296
0.60±0.008	0.596	0.602	0.626	0.632	0.638	0.024	0.644	62.64	2150	20	29	62	357	306
0.65±0.008	0.646	0.653	0.677	0.683	0.689	0.024	0.694	53.26	2150	20	29	58	367	306
0.70±0.008	0.696	0.703	0.729	0.735	0.741	0.026	0.746	45.84	2150	20	30	53	398	337
0.75±0.008	0.746	0.753	0.781	0.787	0.793	0.028	0.798	39.87	2400	20	30	53	439	367
0.80±0.010	0.796	0.803	0.834	0.840	0.846	0.030	0.852	35.17	2400	25	30	66	479	398
0.85±0.010	0.846	0.853	0.884	0.890	0.896	0.030	0.904	31.11	2400	25	30	66	479	398

0.90±0.010	0.896	0.903	0.936	0.942	0.948	0.032	0.956	27.71	2400	25	31	62	510	428
0.95±0.010	0.946	0.953	0.988	0.994	1.000	0.034	1.008	24.84	2400	25	31	62	551	459
1.00±0.012	0.996	1.003	1.038	1.045	1.052	0.034	1.062	22.49	2400	25	32	58	561	469
1.10±0.012	1.095	1.103	1.142	1.149	1.156	0.036	1.164	18.54	3050	25	32	54	561	469
1.20±0.012	1.195	1.203	1.242	1.249	1.258	0.036	1.264	15.55	3050	25	32	54	561	469
1.30±0.012	1.295	1.305	1.344	1.351	1.358	0.040	1.364	13.23	3400	25	33	50	622	520
1.40±0.012	1.395	1.405	1.444	1.451	1.458	0.040	1.464	11.39	3400	25	33	46	622	520
1.50±0.012	1.495	1.505	1.546	1.553	1.560	0.040	1.568	9.91	3400	25	33	46	622	520
1.60±0.012	1.595	1.605	1.646	1.653	1.660	0.040	1.668	8.71	3400	25	33	42	622	520

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