



UEFN U2 0.04mm - 2.60mm Enameled Round Copper Wire Thermal Class 155 For Motor

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: PEWSC
- Certification: UL
- Model Number: UEFN U2
- 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

- Modle: UEFN U2
- Material: Copper
- Voltage Rating: 2800V
- Size: AWG 46-10
- Application: For General Motor
- Thermal Grade: 155
- Color: Could Be Customized
- Certification: UL
- Warranty: 3 Years
- Sample: Free
- Highlight: **0.04mm Enameled Round Copper Wire,
2.60mm Enameled Round Copper Wire**



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Product Description

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.

1. excellent flexibility. the insulation layer of UEFN has been specially softened to maintain good insulation properties and at the same time has a high degree of flexibility. This facilitates the moulding and winding of stator windings.
2. Excellent heat resistance: UEFN can work stably at 155°C for a long time.



JIS---2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)						J	A
0.04±0.002	0.039	0.041	0.047	0.050	0.053	0.006	0.056	15670	200	7.1	--	---		
0.05±0.003	0.049	0.051	0.059	0.062	0.065	0.008	0.069	10240	950	11.0	--	---		
0.06±0.003	0.059	0.061	0.069	0.072	0.075	0.008	0.081	6966	950	11.0	--	---		

0.07±0.003	0.069	0.071	0.079	0.082	0.085	0.008	0.091	4990	950	1107	--	----
0.08±0.003	0.079	0.081	0.091	0.095	0.099	0.010	0.103	3778	1100	1107	--	----
0.09±0.003	0.089	0.091	0.102	0.106	0.110	0.010	0.113	2959	1100	1108	--	----
0.10±0.003	0.099	0.101	0.112	0.116	0.120	0.010	0.125	2381	1100	1159	--	----
0.11±0.003	0.109	0.111	0.122	0.126	0.130	0.010	0.135	1957	1100	1159	--	----
0.12±0.003	0.119	0.121	0.134	0.138	0.142	0.012	0.147	1636	1300	1250	--	----
0.13±0.003	0.129	0.131	0.144	0.148	0.152	0.012	0.157	1389	1300	1250	--	----
0.14±0.003	0.139	0.141	0.154	0.158	0.162	0.012	0.167	1193	1300	1251	--	----
0.15±0.003	0.149	0.151	0.164	0.168	0.172	0.012	0.177	1037	1300	1251	--	----
0.16±0.003	0.159	0.161	0.176	0.180	0.184	0.014	0.189	908.8	1300	1252	--	----
0.17±0.003	0.169	0.171	0.186	0.190	0.194	0.014	0.199	803.2	1300	1253	--	----
0.18±0.003	0.179	0.181	0.198	0.202	0.206	0.016	0.211	715.0	1600	1253	--	----
0.19±0.003	0.189	0.191	0.208	0.212	0.216	0.016	0.221	640.6	1600	1253	--	----
0.20±0.003	0.198	0.201	0.218	0.222	0.226	0.016	0.231	577.2	1600	1254	--	----
0.21±0.003	0.208	0.212	0.228	0.232	0.236	0.016	0.241	522.8	1600	1254	--	----
0.22±0.004	0.218	0.222	0.238	0.242	0.246	0.016	0.252	480.1	1600	1254	--	----
0.23±0.004	0.228	0.232	0.250	0.254	0.258	0.018	0.264	438.6	1600	1254	--	----
0.24±0.004	0.238	0.242	0.260	0.264	0.268	0.018	0.274	402.2	1600	1254	--	----
0.25±0.004	0.248	0.252	0.270	0.274	0.278	0.018	0.284	370.2	1600	1255	66	----

0.26±0.004	0.258	0.262	0.280	0.288	0.018	0.294	341.8	1600	1255	66	224034
0.27±0.004	0.268	0.272	0.290	0.298	0.018	0.304	316.6	1600	1256	61	224034
0.28±0.004	0.278	0.282	0.300	0.308	0.018	0.314	294.1	1600	1256	61	224034
0.29±0.004	0.288	0.292	0.310	0.320	0.018	0.324	273.9	1600	2206	61	224034
0.30±0.005	0.298	0.302	0.322	0.332	0.020	0.337	254.0	2000	2206	61	226355
0.32±0.005	0.317	0.322	0.342	0.352	0.020	0.357	222.8	2000	2206	55	227355
0.35±0.005	0.347	0.352	0.372	0.382	0.020	0.387	185.7	2000	2207	50	227355
0.37±0.005	0.367	0.372	0.392	0.402	0.020	0.407	165.9	2000	2207	50	227355
0.40±0.005	0.397	0.402	0.424	0.434	0.022	0.439	141.7	2000	2207	76	320665
0.45±0.006	0.446	0.452	0.474	0.484	0.022	0.490	112.1	2000	2208	72	321665
0.50±0.006	0.496	0.502	0.526	0.536	0.024	0.542	89.95	2150	2208	67	325976
0.55±0.006	0.546	0.552	0.576	0.586	0.024	0.592	74.18	2150	2209	62	325976
0.60±0.008	0.596	0.602	0.626	0.638	0.024	0.644	62.64	2150	2209	62	335076
0.65±0.008	0.646	0.653	0.677	0.689	0.024	0.694	53.26	2150	2209	58	336076
0.70±0.008	0.696	0.703	0.729	0.741	0.026	0.746	45.84	2150	2300	53	339387
0.75±0.008	0.746	0.753	0.781	0.793	0.028	0.798	39.87	2400	2300	53	433697
0.80±0.010	0.796	0.803	0.834	0.846	0.030	0.852	35.17	2400	2350	66	437998
0.85±0.010	0.846	0.853	0.884	0.896	0.030	0.904	31.11	2400	2350	66	437998
0.90±0.010	0.896	0.903	0.936	0.948	0.032	0.956	27.71	2400	2351	62	541208

0.95±0.010	0.946	0.953	0.988	0.994	1.000	0.034	1.008	24.84	2400	2351	62	54519
1.00±0.012	0.996	1.003	1.038	1.045	1.052	0.034	1.062	22.49	2400	2352	58	545619
1.10±0.012	1.095	1.103	1.142	1.149	1.156	0.036	1.164	18.54	3050	2352	54	545619
1.20±0.012	1.195	1.203	1.242	1.249	1.258	0.036	1.264	15.55	3050	2352	54	545619
1.30±0.012	1.295	1.305	1.344	1.351	1.358	0.040	1.364	13.23	3400	2353	50	652220
1.40±0.012	1.395	1.405	1.444	1.451	1.458	0.040	1.464	11.39	3400	2353	46	652220
1.50±0.012	1.495	1.505	1.546	1.553	1.560	0.040	1.568	9.91	3400	2353	46	652220
1.60±0.012	1.595	1.605	1.646	1.653	1.660	0.040	1.668	8.71	3400	2353	42	652220



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