



High Thermal Polyurethane Enameled Copper Winding Wire UEWH Single 0.004mm - 1.00mm

Our Product Introduction

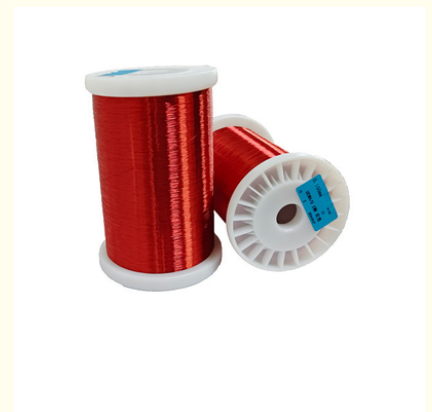
Basic Information

- Place of Origin: China
- Brand Name: PEWSC
- Certification: UL
- Model Number: UEWH Single
- 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: UEWH Single
- Material: Copper
- Rated Voltage: The Voltage Resistance Varies According To The Thickness Of The Film And The Size Of The Specification
- Diameter: 0.004mm-1.00mm
- Temperature Rating: 180°C
- Warranty: 3 Years
- Colors: Could Be Customized
- Package: Box
- Origin Country: China
- Highlight: **Polyurethane Enameled Copper Winding Wire, High Thermal Enameled Copper Winding Wire, Polyurethane 1mm enamelled copper wire**



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Product Description

Single refers to a thinner wire diameter, suitable for applications with higher space requirements or lower current loads.

1. Excellent mechanical strength. The polyimide material of UEWH outer layer has high mechanical strength and abrasion resistance, which can better resist various stresses during the manufacturing process of motor stator winding.
2. Excellent electrical properties: UEWH's polyurethane insulation thickness of up to 0.1-0.5mm provides reliable insulation protection in high voltage environments.

Overall, UEWH is a high-end enameled wire product with excellent performance in heat resistance, mechanical strength, insulation and chemical resistance. It is widely used in the manufacture of key components for high power motors, large transformers and other industrial applications.





		NEMA--Single											Unit	
AWG	Diameter of Conductor	Conductor Control Benchmarks		OD Control Benchmarks			Specification Boundaries		Conductor Resistance 20°C (Ω/KM)	Insulation break down voltage (v)	Min Elongation (%)	Max. Springiness (°)	Resistance to abrasion	
		Lower Limit	Upper Limit	Lower Limit	Median	Upper Limit	Min. Increase in Diameter	Max. Finished overall Diameter						Min Elongation
44	0.051	+0.002 -0.003	0.050	0.052	0.056	0.059	0.060	0.005	0.061	9527.95	500	14	--	---
43	0.056	+0.002 -0.003	0.055	0.057	0.063	0.064	0.066	0.005	0.069	7815.03	550	15	--	---
42	0.064	+0.002 -0.003	0.063	0.065	0.071	0.073	0.075	0.005	0.076	5899.60	625	16	--	---
41	0.071	+0.003 -0.002	0.070	0.072	0.079	0.081	0.083	0.008	0.084	4610.88	700	17	--	---
40	0.07	+0.002	0.07	0.080	0.080	0.090	0.09	0.008	0.094	3800.	775	17	--	---

	9	- 0.00 3	8		7	9	3			62							
	39	0.08 9	+0.0 02 - 0.00 3	0.08 8	0.090	0.09 9	0.10 0 5	0.008	0.107	2968. 15	850	18	--	----			
	38	0.10 2	+0.0 02 - 0.00 3	0.10 1	0.103	0.11 1 4	0.11 1 7	0.008	0.118	2239. 81	950	19	--	----			
	37	0.11 4	+0.0 03 - 0.00 2	0.11 3	0.115	0.12 5 8	0.13 2 1	0.010	0.132	1750. 03	1075	20	--	----			
	36	0.12 7	+0.0 03 - 0.00 3	0.12 6	0.128	0.13 9 2	0.14 4 5	0.010	0.147	1427. 71	1200	20	--	----			
	35	0.14 2	+0.0 03 - 0.00 2	0.14 1	0.143	0.15 4 7	0.16 5 0	0.010	0.165	1120. 02	1325	21	--	----			
	34	0.16	+0.0 03 - 0.00 3	0.15 9	0.161	0.17 5 8	0.18 7 1	0.013	0.183	890.6 0	1500	22	--	----			
	33	0.18	+0.0 03 - 0.00 2	0.17 9	0.181	0.19 5 9	0.20 9 3	0.013	0.206	692.8 5	1675	23	--	----			
	32	0.20 3	+0.0 03 - 0.00 2	0.20 2	0.205	0.22 0 4	0.22 2 8	0.015	0.229	543.3 6	1850	24	--	----			
	31	0.22 6	+0.0 03 - 0.00 2	0.22 5	0.228	0.24 3 7	0.25 4 1	0.015	0.254	437.5 1	2075	24	--	----			
	30	0.25 4	+0.0 02 - 0.00 3	0.25 2	0.256	0.27 4 8	0.28 7 2	0.018	0.284	348.4 5	2300	25	66	----	22 95 50		
	29	0.28 7	+0.0 03 - 0.00 3	0.28 5	0.289	0.30 8 2	0.31 1 6	0.018	0.320	272.1 7	2375	26	61	----	32 16 05		
	28	0.32	+0.0 03 - 0.00 2	0.31 8	0.322	0.34 3 7	0.35 4 1	0.020	0.356	217.0 8	2425	26	55	----	32 38 55		
	27	0.36 1	+0.0 02 - 0.00 3	0.35 8	0.363	0.38 3 7	0.39 8 1	0.020	0.396	171.2 8	2500	27	50	----	33 50 50		
	26	0.40 4	+0.0 02 - 0.00 5	0.40 1	0.406	0.42 9 3	0.43 3 7	0.023	0.439	137.8 9	2550	27	76	----	33 82 05		
		0.45	+0.0 02	0.45		0.48 4	0.49			108.4				----	43		

25	5	-	2	0.457	0	8	0	0.023	0.493	1	2625	28	72	04
		0.00				5								00
		5												
24	0.51	+0.02	0.50	0.513	0.53	5	0.54	0.025	0.551	86.08	2700	28	67	43
	1	-	7		8	4	8							36
		0.00				3								05
		6												
23	0.57	+0.03	0.57	0.576	0.60	6	0.61	0.025	0.617	67.8	2775	29	62	43
	4	-	0		1	0	1							69
		0.00				6								00
		5												
22	0.64	+0.02	0.63	0.645	0.67	6	0.68	0.028	0.686	54.44	2850	29	58	44
	3	-	9		3	7	3							91
		0.00				8								05
		8												
21	0.72	+0.02	0.72	0.726	0.75	7	0.76	0.028	0.770	42.82	2925	30	53	54
	4	-	0		4	6	6							24
		0.00				0								55
		8												
20	0.81	+0.05	0.80	0.816	0.84	8	0.85	0.030	0.864	33.88	3000	30	66	54
	3	-	8		6	5	8							67
		0.00				2								05
		8												
19	0.91	+0.05	0.90	0.915	0.94	9	0.95	0.030	0.963	26.98	3075	31	62	65
	2	-	7		5	5	7							01
		-0.01				1								00
18	1.02	+0.05	1.01	1.027	1.06	0	1.07	0.033	1.077	21.39	3175	32	58	65
	4	-	9		0	6	2							45
		0.01				6								50
		1												
17	1.15	+0.05	1.14	1.154	1.19	1	1.20	0.036	1.207	16.95	3250	32	54	65
	1	-	5		0	9	2							98
		0.01				6								05
		3												
16	1.29	+0.08	1.28	1.293	1.33	3	1.34	0.036	1.349	13.44	3325	33	50	76
		-	4		0	3	2							32
		0.01				6								55
		2												
15	1.45	+0.08	1.44	1.453	1.49	4	1.50	0.038	1.509	10.66	3425	33	46	76
		-	4		2	9	5							86
		0.01				8								05
		5												
14	1.62	+0.08	1.62	1.631	1.67	6	1.68	0.041	1.692	8.44	3525	33	42	87
	8	-	1		3	8	7							41
		0.01				0								05
		5												
The above single wear resistance value is applicable to MW-5C 35C 30C 81C 80C 24C 28C 76C , voltage resistance is applicable to MW-5C 35C 30C 81C 79C 75C 77C 26C .														



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