



Class 155 Enamelled Round Copper Wire UEFW Heavy Polyurethane 0.04mm - 1.60mm Diameter

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: PEWSC
- Certification: UL
- Model Number: UEFW Heavy
- 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

- Conductor Material: Copper
- Rated Voltage: 2800V
- Diameter: 0.04mm-2.60mm
- Application: For High Speed Coiling Processing
- Thermal Class: 155
- Color: Natural, Red, Green
- Certification: UL
- Category: UEFW Heavy
- Warranty: 3 Years
- Sample: Free
- Highlight: **Class 155 Enamelled Round Copper Wire, Polyurethane Enamelled Round Copper Wire, 0.2 mm enamelled copper wire**



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Product Description

0.04mm-1.60mm UEWF Heavy High Thermal Polyurethane enamelled wire Thermal class 155

Heavy refers to a thicker wire diameter that can withstand higher currents and is used in applications such as high power motors or transformers. The choice of wire diameter needs to be weighed against the specific electrical performance requirements.

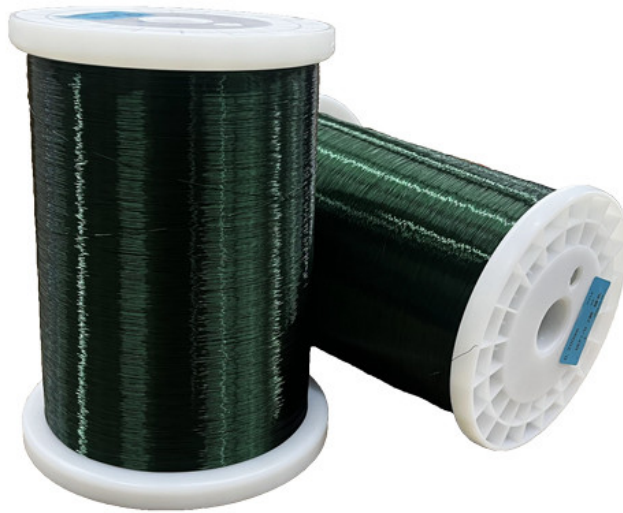
UEF1 enameled wire, fully known as heat resistant polyurethane enameled wire, belongs to polyurethane enameled wire. UEF1 enameled wire occupies a place in the winding wire market with its excellent performance and wide range of applications. The following are the main advantages of UEF1 enameled wire:

High heat resistance: UEF1 enameled wire has a heat resistance class F, with a heat resistance temperature index of up to 155°C. This characteristic enables UEF1 enameled wire to withstand the high temperatures generated by the operation of electrical equipment such as motors, transformers, etc., and ensures the stability and reliability of the equipment.

Environmentally friendly and safe: UEF1 enameled wire is made of environmentally friendly materials, making it safer to use and minimizing the impact on the environment.

Cost-effective: UEF1 enameled wire has a high cost-effective ratio as it guarantees high quality and long-term stable electrical performance at a reasonable price.





		NEMA---Heavy											Unit	
AWG	Diameter of Conduct		Conductor Control Benchmarks		OD Control Benchmarks			Specification Boundaries		Conductor Resistance 20 (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					
44	0.051	+0.002 -0.003	0.050	0.052	0.062	0.064	0.066	0.010	0.066	9527.95	1300	14	--	---
43	0.056	+0.002 -0.003	0.055	0.057	0.068	0.070	0.072	0.010	0.074	7815.03	1400	15	--	---
42	0.064	+0.002 -0.003	0.063	0.065	0.079	0.081	0.083	0.013	0.084	5899.6	1675	16	--	---
41	0.071	+0.003 -0.002	0.070	0.072	0.086	0.088	0.090	0.013	0.094	4610.88	1675	17	--	---
40	0.079	+0.002 -0.003	0.078	0.080	0.094	0.096	0.098	0.013	0.104	3800.62	1800	17	--	---
	0.08	+0.002	0.08	0.09	0.10	0.11				2968.				

39	9	- 0.00 3	8	0	6	0	2	0.015	0.114	15	1975	18	--		
38	0.10 2	+0.0 02 - 0.00 3	0.10 1	0.10 3	0.12 2	0.12 2	0.12 8	0.018	0.130	2239. 81	2150	19	--		
37	0.11 4	+0.0 03 - 0.00 2	0.11 3	0.11 5	0.13 4	0.14 3	0.14 0	0.018	0.145	1750. 03	2325	20	--		
36	0.12 7	+0.0 03 - 0.00 3	0.12 6	0.12 8	0.14 9	0.15 5	0.15 5	0.020	0.160	1427. 71	2525	20	--		
35	0.14 2	+0.0 03 - 0.00 2	0.14 1	0.14 3	0.16 7	0.17 0	0.17 3	0.023	0.178	1120. 02	2750	21	--		
34	0.16	+0.0 03 - 0.00 3	0.15 9	0.16 1	0.18 5	0.19 8	0.19 1	0.023	0.198	890.6	2975	22	--		
33	0.18	+0.0 03 - 0.00 2	0.17 9	0.18 1	0.20 7	0.21 1	0.21 5	0.025	0.221	692.8 5	3250	23	--		
32	0.20 3	+0.0 03 - 0.00 2	0.20 2	0.20 5	0.23 3	0.24 3	0.24 1	0.028	0.246	543.3 6	3525	24	--		
31	0.22 6	+0.0 03 - 0.00 2	0.22 5	0.22 8	0.25 8	0.26 6	0.26 6	0.030	0.274	437.5 1	3825	24	--		
30	0.25 4	+0.0 02 - 0.00 3	0.25 2	0.25 6	0.28 9	0.29 9	0.29 7	0.033	0.307	348.4 5	4150	25	66	54 25 50	
29	0.28 7	+0.0 03 - 0.00 3	0.28 5	0.28 9	0.32 8	0.33 3	0.33 6	0.038	0.338	272.1 7	4250	26	61	54 68 00	
28	0.32	+0.0 03 - 0.00 2	0.31 8	0.32 2	0.36 4	0.37 6	0.37 2	0.041	0.373	217.0 8	4375	26	55	55 91 50	
27	0.36 1	+0.0 02 - 0.00 3	0.35 8	0.36 3	0.40 4	0.41 4	0.41 4	0.041	0.419	171.2 8	4500	27	50	65 34 50	
26	0.40 4	+0.0 02 - 0.00 5	0.40 1	0.40 6	0.44 9	0.45 5	0.45 9	0.043	0.462	137.8 9	4600	27	76	65 77 55	
25	0.45 5	+0.0 02 - 0.00 5	0.45 2	0.45 7	0.50 3	0.51 0	0.51 3	0.046	0.516	108.4 1	4725	28	72	76 21 05	
24	0.51	+0.0 02	0.50	0.51	0.56	0.57		0.048	0.577	86.08	4850	28	67	76 75	

8	3.26 4	+0.0 18 - 0.03 3	3.25 4	3.26 8	3.36 1	3. 3 7 8	3.37 8	0.089	3.383	2.1	3300	36	--	---
The above single wear resistance values apply to MW-5C 35C 81C 30C 75C 79C 80C 76C 28C 24C. The voltage resistance applies to MW-5C 35C 81C 30C 75C 79C 26C 77C.														



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