



Red Color UEFN Class Two with Copper Material UEFW Overcoat Polyamide Enamelled Wire

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: PEWSC
- Certification: UL,ROHS
- Model Number: UEFN
- Minimum Order Quantity: The MOQ Varies According to the Size of the Specification
- Price: Copper Price plus Processing Fee plus Freight
- Packaging Details: Carton
- 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: UEFN
- Material: Copper
- Color: Could Be Customized
- Warranty Year: 3 Years
- Temperature: 155°C
- Usage: For High Speed Coiling Processing
- Standard: IEC



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Product Description

High-frequency performance: UEF1 enameled wire is suitable for high-frequency signal transmission, which means it can maintain good electrical properties under high-frequency conditions, suitable for use in electronics, electrical appliances and other fields.

Dyeable Characteristics: UEF1 enameled wire has dyeable characteristics, which makes it possible to quickly identify and differentiate different connecting wires through color coding when carrying out maintenance and overhauling of electrical equipment, which greatly improves work efficiency.

Direct Weldability: UEF1 enameled wire has direct weldability, which means that the windings and coils can be directly welded during the motor manufacturing process, simplifying the welding process and reducing the cost of motor manufacturing.

UEFN's insulation layer contains special conductive fillers that effectively block external electromagnetic fields. This gives UEFN an advantage in applications with strict EMC requirements.

Overall, UEFN is a high-end enamelled wire with outstanding performance in terms of abrasion resistance, flexibility, heat resistance and electromagnetic shielding. It is widely used in the manufacturing of windings for high power motors, transformers and other industrial electrical equipment.





JIS---1													Unit mm
Diameter of Conductor	Conductor Control Benchmarks		OD Control Benchmarks			Specification Boundaries		Conductor Resistance 20°C (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)			JIS	AWG		Average
0.050±0.003	0.049	0.051	0.069	0.074	0.079	0.016	0.083	10240	1900	10	14	--	---
0.060±0.003	0.059	0.061	0.079	0.084	0.089	0.016	0.096	6966	1900	10	15	--	---
0.070±0.003	0.069	0.071	0.089	0.094	0.099	0.016	0.106	4990	1900	10	17	--	---
0.080±0.003	0.079	0.081	0.103	0.108	0.113	0.018	0.118	3778	2000	10	17	--	---
0.090±0.003	0.089	0.091	0.113	0.118	0.123	0.018	0.128	2959	2000	10	18	--	---
0.10±0.008	0.099	0.101	0.120	0.124	0.128	0.018	0.140	2647	2000	15	19	--	---

1.30±0.030	1.294	1.303	1.353 968	1.377	0.054	1.408	13.61	4150	25	33	50	973986
1.40±0.030	1.394	1.403	1.454 968	1.477	0.054	1.508	11.7	4150	25	33	46	984096
1.50±0.030	1.494	1.503	1.565 171	1.581	0.056	1.612	10.16	4150	25	33	46	180306
1.60±0.030	1.593	1.603	1.666 171	1.681	0.056	1.712	8.906	4150	25	33	42	180407
1.70±0.030	1.693	1.703	1.767 33	1.783	0.058	1.814	7.871	4350	25	33	--	180827
1.80±0.030	1.793	1.803	1.868 33	1.883	0.058	1.914	7.007	4350	25	34	--	180827
1.90±0.030	1.893	1.903	1.969 575	1.985	0.060	2.018	6.278	4350	25	34	--	191228
2.00±0.030	1.993	2.003	2.060 576	2.087	0.060	2.118	5.656	4350	30	34	--	191328
2.10±0.030	2.092	2.104	2.161 78	2.189	0.062	2.220	5.123	4350	30	34	--	191629
2.20±0.030	2.192	2.204	2.262 980	2.291	0.064	2.322	4.662	4350	30	35	--	11202000
2.30±0.030	2.292	2.304	2.363 980	2.391	0.064	2.422	4.260	4350	30	35	--	11202100
2.40±0.030	2.392	2.404	2.474 182	2.493	0.066	2.526	3.908	4350	30	35	--	11202200
2.50±0.030	2.492	2.504	2.575 385	2.597	0.068	2.628	3.598	4350	30	35	--	11313200
2.60±0.030	2.590	2.604	2.676 385	2.697	0.068	2.728	3.324	4350	30	35	--	11313200
2.70±0.030	2.69	2.704	2.777 385	2.797	0.068	2.828	3.079	4350	30	35	--	---
2.80±0.030	2.79	2.804	2.878 385	2.897	0.068	2.928	2.861	4350	30	36	--	---
2.90±0.030	2.89	2.904	2.979 385	2.997	0.068	3.028	2.665	4350	30	36	--	---
3.00±0.030	2.990	3.004	3.070 385	3.097	0.068	3.128	2.489	4350	30	36	--	---
3.20±0.040	3.19	3.204	3.273 385	3.297	0.068	3.338	2.198	4350	30	36	--	---



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