



0.1mm-2.3mm Diameter AWG 46-18 Enamel Coated Copper Winding Wire for Electrical Applications

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: PEWSC
- Certification: UL
- Model Number: HAI
- Minimum Order Quantity: 300KG
- Packaging Details: Carton
- Delivery Time: 3-5 work days
- Payment Terms: cash on payments



Product Specification

- Insulation Material: Enamel
- Wire Diameter: 0.1mm-2.3mm
- Application: Motors, Transformers, Generators, Coils, Solenoids
- Diameter: AWG 46-18
- Category: Class Two
- Insulation Class: Class180
- Material: Copper
- Origin Country: China
- Highlight: **Enamel Coated Copper Winding Wire, AWG 46-18 Enameled Copper Winding Wire, Electrical Enameled Copper Winding Wire**



Applications:

This Enameled Magnet Wire is known for its excellent insulation properties that make it a reliable option for insulation. It has an insulation class of Class180, which means it can withstand high temperatures and is suitable for use in demanding applications.

The Insulated Magnetic Copper Wire is available in different diameters, ranging from AWG 46-18, making it suitable for various applications. The enamel thickness is U1, which provides excellent insulation properties, making it perfect for use in harsh environments. This product is ideal for use in different scenarios and applications. For instance, it can be used in the construction of solenoids, transformers, and other electromagnetic devices that require high-temperature insulation. It is also suitable for use in motors, generators, and other electrical appliances.

The minimum order quantity for this product is 300KG, and it is packaged in a carton for easy transportation. Delivery time takes 3-5 work days, and payment terms are cash on payments.

PEWSC HAI enameled copper winding wire is a reliable and durable product that is designed to meet the needs of different customers. Its high-quality insulation properties and excellent resistance to heat make it an ideal option for various applications. If you are in need of a high-quality Insulated Magnetic Copper Wire, this product is an excellent choice for you.

Packing and Shipping:

Product Packaging:

The enameled copper winding wire is packaged in a sturdy cardboard spool with a plastic cover to protect the wire from dust and moisture. The spool has a hole in the center for easy dispensing of the wire.

Shipping:

The enameled copper winding wire will be shipped via standard ground shipping. The spool will be securely packaged in a cardboard box with additional padding to prevent any damage during transit.





JIS---2種											Unit mm			
Diameter of Conduct	Conductor Control Benchmarks		OD Control Benchmarks			Specification Boundaries		Conductor Resistance 20 (Ω /K M)	Insulation breakdown voltage (v)	Min Elongation (%)		Max. Spring iness (°)	Resistance to abrasion	
	Lower Limit	Upper Limit	Lower Limit	Median	Upper Limit	Min. Increase in Diameter (mm)	Max. Finished overall Diameter (mm)			J I S	A W G		A v e r a g e	M i n i m u m
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 ±0.0 03	0.0 79	0.0 81	0.0 91	0. 0 9 5	0.0 99	0.010	0.103	3778	1100	1 0	1 7	--	--	--
0.09 ±0.0 03	0.0 89	0.0 91	0.1 02	0. 1 6	0.1 10	0.010	0.113	2959	1100	1 0	1 8	--	--	--
0.10 ±0.0 03	0.0 99	0.1 01	0.1 12	0. 1 6	0.1 20	0.010	0.125	2381	1100	1 5	1 9	--	--	--
0.11 ±0.0 03	0.1 09	0.1 11	0.1 22	0. 1 6	0.1 30	0.010	0.135	1957	1100	1 5	1 9	--	--	--
0.12 ±0.0 03	0.1 19	0.1 21	0.1 34	0. 1 8	0.1 42	0.012	0.147	1636	1300	1 5	2 0	--	--	--
0.13 ±0.0 03	0.1 29	0.1 31	0.1 44	0. 1 8	0.1 52	0.012	0.157	1389	1300	1 5	2 0	--	--	--
0.14 ±0.0 03	0.1 39	0.1 41	0.1 54	0. 1 8	0.1 62	0.012	0.167	1193	1300	1 5	2 1	--	--	--
0.15 ±0.0 03	0.1 49	0.1 51	0.1 64	0. 1 8	0.1 72	0.012	0.177	1037	1300	1 5	2 1	--	--	--
0.16 ±0.0 03	0.1 59	0.1 61	0.1 76	0. 1 0	0.1 84	0.014	0.189	908.8	1300	1 5	2 2	--	--	--
0.17 ±0.0 03	0.1 69	0.1 71	0.1 86	0. 1 0	0.1 94	0.014	0.199	803.2	1300	1 5	2 3	--	--	--
0.18 ±0.0 03	0.1 79	0.1 81	0.1 98	0. 2 2	0.2 06	0.016	0.211	715.0	1600	1 5	2 3	--	--	--
0.19 ±0.0 03	0.1 89	0.1 91	0.2 08	0. 2 2	0.2 16	0.016	0.221	640.6	1600	1 5	2 3	--	--	--
0.20 ±0.0 03	0.1 98	0.2 01	0.2 18	0. 2 2	0.2 26	0.016	0.231	577.2	1600	1 5	2 4	--	--	--
0.21 ±0.0 03	0.2 08	0.2 12	0.2 28	0. 2 2	0.2 36	0.016	0.241	522.8	1600	1 5	2 4	--	--	--

0.22 ±0.0 04	0.2 18	0.2 22	0.2 38	0.2 24 2	0.2 46	0.016	0.252	480.1	1600	1 5	2 4	--	--	--
0.23 ±0.0 04	0.2 28	0.2 32	0.2 50	0.2 25 4	0.2 58	0.018	0.264	438.6	1600	1 5	2 4	--	--	--
0.24 ±0.0 04	0.2 38	0.2 42	0.2 60	0.2 26 4	0.2 68	0.018	0.274	402.2	1600	1 5	2 4	--	--	--
0.25 ±0.0 04	0.2 48	0.2 52	0.2 70	0.2 27 4	0.2 78	0.018	0.284	370.2	1600	1 5	2 5	66	--	--
0.26 ±0.0 04	0.2 58	0.2 62	0.2 80	0.2 28 4	0.2 88	0.018	0.294	341.8	1600	1 5	2 5	66	2 4 3	2 0 4
0.27 ±0.0 04	0.2 68	0.2 72	0.2 90	0.2 29 4	0.2 98	0.018	0.304	316.6	1600	1 5	2 6	61	2 4 3	2 0 4
0.28 ±0.0 04	0.2 78	0.2 82	0.3 00	0.3 30 4	0.3 08	0.018	0.314	294.1	1600	1 5	2 6	61	2 4 3	2 0 4
0.29 ±0.0 04	0.2 88	0.2 92	0.3 10	0.3 31 5	0.3 20	0.018	0.324	273.9	1600	2 0	2 6	61	2 4 3	2 0 4
0.30 ±0.0 05	0.2 98	0.3 02	0.3 22	0.3 32 7	0.3 32	0.020	0.337	254.0	2000	2 0	2 6	61	2 6 5	2 3 5
0.32 ±0.0 05	0.3 17	0.3 22	0.3 42	0.3 34 7	0.3 52	0.020	0.357	222.8	2000	2 0	2 6	55	2 7 5	2 3 5
0.35 ±0.0 05	0.3 47	0.3 52	0.3 72	0.3 37 7	0.3 82	0.020	0.387	185.7	2000	2 0	2 7	50	2 7 5	2 3 5
0.37 ±0.0 05	0.3 67	0.3 72	0.3 92	0.3 39 7	0.4 02	0.020	0.407	165.9	2000	2 0	2 7	50	2 7 5	2 3 5
0.40 ±0.0 05	0.3 97	0.4 02	0.4 24	0.4 42 9	0.4 34	0.022	0.439	141.7	2000	2 0	2 7	76	3 0 6	2 6 5
0.45 ±0.0 06	0.4 46	0.4 52	0.4 74	0.4 47 9	0.4 84	0.022	0.490	112.1	2000	2 0	2 8	72	3 1 6	2 6 5

0.50 ±0.0 06	0.4 96	0.5 02	0.5 26	0.5 31	0.5 36	0.024	0.542	89.95	2150	2 0	2 8	67	3 5 7	2 9 6
0.55 ±0.0 06	0.5 46	0.5 52	0.5 76	0.5 81	0.5 86	0.024	0.592	74.18	2150	2 0	2 9	62	3 5 7	2 9 6
0.60 ±0.0 08	0.5 96	0.6 02	0.6 26	0.6 32	0.6 38	0.024	0.644	62.64	2150	2 0	2 9	62	3 5 7	3 0 6
0.65 ±0.0 08	0.6 46	0.6 53	0.6 77	0.6 83	0.6 89	0.024	0.694	53.26	2150	2 0	2 9	58	3 6 7	3 0 6
0.70 ±0.0 08	0.6 96	0.7 03	0.7 29	0.7 35	0.7 41	0.026	0.746	45.84	2150	2 0	3 0	53	3 9 8	3 3 7
0.75 ±0.0 08	0.7 46	0.7 53	0.7 81	0.7 87	0.7 93	0.028	0.798	39.87	2400	2 0	3 0	53	4 3 9	3 6 7
0.80 ±0.0 10	0.7 96	0.8 03	0.8 34	0.8 40	0.8 46	0.030	0.852	35.17	2400	2 5	3 0	66	4 7 9	3 9 8
0.85 ±0.0 10	0.8 46	0.8 53	0.8 84	0.8 90	0.8 96	0.030	0.904	31.11	2400	2 5	3 0	66	4 7 9	3 9 8
0.90 ±0.0 10	0.8 96	0.9 03	0.9 36	0.9 42	0.9 48	0.032	0.956	27.71	2400	2 5	3 1	62	5 1 0	4 2 8
0.95 ±0.0 10	0.9 46	0.9 53	0.9 88	0.9 94	1.0 00	0.034	1.008	24.84	2400	2 5	3 1	62	5 5 1	4 5 9
1.00 ±0.0 12	0.9 96	1.0 03	1.0 38	1.0 45	1.0 52	0.034	1.062	22.49	2400	2 5	3 2	58	5 5 1	4 6 9
1.10 ±0.0 12	1.0 95	1.1 03	1.1 42	1.1 49	1.1 56	0.036	1.164	18.54	3050	2 5	3 2	54	5 5 1	4 6 9
1.20 ±0.0 12	1.1 95	1.2 03	1.2 42	1.2 49	1.2 58	0.036	1.264	15.55	3050	2 5	3 2	54	5 5 1	4 6 9
1.30 ±0.0 12	1.2 95	1.3 05	1.3 44	1.3 51	1.3 58	0.040	1.364	13.23	3400	2 5	3 3	50	6 2 2	5 2 0

1.40 ±0.0 12	1.3 95	1.4 05	1.4 44	1. 4 5 1	1.4 58	0.040	1.464	11.39	3400	2 5	3 3	46	6 2 2 0	5 2 0
1.50 ±0.0 12	1.4 95	1.5 05	1.5 46	1. 5 5 3	1.5 60	0.040	1.568	9.91	3400	2 5	3 3	46	6 2 2 0	5 2 0
1.60 ±0.0 12	1.5 95	1.6 05	1.6 46	1. 6 5 3	1.6 60	0.040	1.668	8.71	3400	2 5	3 3	42	6 2 2 0	5 2 0



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