



Solenoids Insulated Copper Winding Wire AWG 38-8 for Durable Performance

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: PEWSC
- Certification: UL
- Model Number: UEWN
- Minimum Order Quantity: 300KG-500KG
- 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

- Diameter: AWG 46-18
- Enamel Thickness: U1
- Insulation Material: Enamel
- Application: Motors, Transformers, Generators, Coils, Solenoids
- Origin Country: China
- Material: Copper
- Conductor Specification: AWG 38-8
- Thermal Class: 130-220
- Highlight: Solenoids Insulated Copper Winding Wire



for more products please visit us on enamel-wire.com

Product Description

Product Description:

Our enameled copper conductors are available in a variety of diameters, ranging from AWG 46-18. This makes it easy to find the perfect size for your specific needs. Whether you need a thin wire for a delicate application or a thicker wire for a heavy-duty project, we have you covered.

Our enameled copper winding wire is also classified as Grade Two. This means it meets strict industry standards for quality and performance. You can trust that this wire will deliver the results you need, every time.

The insulation material used on our insulated copper winding wire is enamel. This provides excellent resistance to heat, moisture, and chemicals, ensuring that your wire will last for years to come, even in harsh environments.

Our enameled copper conductors have a wire diameter range of 0.1mm-2.3mm. This allows for a wide range of applications and gives you the flexibility to choose the perfect wire for your project.

All of our enameled copper winding wire is made in China. We work with trusted manufacturers to ensure that our products meet our high standards for quality and performance. You can trust that our wire will deliver the results you need, no matter where you are in the world.

Overall, our enameled copper winding wire is an excellent choice for anyone looking for a high-quality, reliable wire for their electrical projects. With its insulation material of enamel, this wire will provide excellent resistance to heat, moisture, and chemicals, making it a great choice for a range of applications. And with its wide range of diameters and Grade Two classification, you can trust that this wire will deliver the results you need, every time.

Features:

Product Name: Enameled Copper Winding Wire

Insulation Class: Class 155

Application: Motors, Transformers, Generators, Coils, Solenoids

Diameter: AWG 46-18

Insulation Material: Enamel

Rated Voltage: 2800V

This Insulated Magnetic Copper Wire is also known as Enameled Magnet Wire or Insulated Copper Winding Wire.





JIS---1種													Unit mm	
Diameter of Conduct	Conductor Control Benchmar ks		OD Control Benchmark s			Specification Boundaries		Conductor Resistan ce 20 (Ω/K M)	Insulation breakdown voltage (v)	Min Elon gatio n (%)		Max. Spring iness (°)	Resi stan ce to abra sion	
	Low er Limit	Upp er Limit	Lo wer Lim it	Me di an	Up per Lim it	Min. Increa se in Diamet er (mm)	Max. Finishe d overall Diamet er (mm)			J I S	A W G		A v e r a g e	M in i m u m
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	0.09 9	0.1 01	0.1 20	0. 1 2 4	0.1 28	0.018	0.140	2647	2000	1 5	1 9	--	--	--
0.11± 0.008	0.10 9	0.1 11	0.1 30	0. 1 3 4	0.1 38	0.018	0.150	2153	2000	1 5	1 9	--	--	--
0.12± 0.008	0.11 9	0.1 21	0.1 42	0. 1 4 6	0.1 50	0.020	0.162	1786	2200	1 5	2 0	--	--	--
0.13± 0.008	0.12 9	0.1 31	0.1 52	0. 1 5 6	0.1 60	0.020	0.172	1505	2200	1 5	2 0	--	--	--
0.14± 0.008	0.13 9	0.1 41	0.1 62	0. 1 6 6	0.1 70	0.020	0.182	1286	2200	1 5	2 1	--	--	--
0.15± 0.008	0.14 9	0.1 51	0.1 72	0. 1 7 6	0.1 80	0.020	0.192	1111	2200	1 5	2 1	--	--	--
0.16± 0.008	0.15 9	0.1 61	0.1 84	0. 1 8 8	0.1 92	0.022	0.204	969.5	2200	1 5	2 2	--	--	--
0.17± 0.008	0.16 9	0.1 71	0.1 94	0. 1 9 8	0.2 02	0.022	0.214	853.5	2200	1 5	2 3	--	--	--
0.18± 0.008	0.17 9	0.1 81	0.2 06	0. 2 1 0	0.2 14	0.024	0.226	757.2	2400	1 5	2 3	--	--	--
0.19± 0.008	0.18 9	0.1 91	0.2 16	0. 2 2 0	0.2 24	0.024	0.236	676.2	2400	1 5	2 3	--	--	--
0.20± 0.008	0.19 8	0.2 01	0.2 26	0. 2 3 0	0.2 34	0.024	0.246	607.6	2400	1 5	2 4	--	--	--
0.21± 0.008	0.20 8	0.2 12	0.2 36	0. 2 4 0	0.2 44	0.024	0.256	549.0	2400	1 5	2 4	--	--	--
0.22± 0.008	0.21 8	0.2 22	0.2 46	0. 2 5 0	0.2 54	0.024	0.266	498.4	2400	1 5	2 4	--	--	--
0.23± 0.008	0.22 8	0.2 32	0.2 58	0. 2 6 2	0.2 66	0.026	0.278	454.5	2400	1 5	2 4	--	--	--

0.24± 0.008	0.23 8	0.2 42	0.2 68	0. 2 7 2	0.2 76	0.026	0.288	416.2	2400	1 5	2 4	--	--	--
0.25± 0.008	0.24 8	0.2 52	0.2 78	0. 2 8 2	0.2 86	0.026	0.298	382.5	2400	1 5	2 5	66	--	--
0.26± 0.010	0.25 8	0.2 62	0.2 88	0. 2 9 2	0.2 96	0.026	0.310	358.4	2400	1 5	2 5	66	3 5 7	3 0 6
0.27± 0.010	0.26 8	0.2 72	0.2 98	0. 3 0 2	0.3 06	0.026	0.320	331.4	2400	1 5	2 6	61	3 5 7	3 0 6
0.28± 0.010	0.27 8	0.2 82	0.3 08	0. 3 1 2	0.3 16	0.026	0.330	307.3	2400	1 5	2 6	61	3 6 7	3 0 6
0.29± 0.010	0.28 8	0.2 92	0.3 18	0. 3 2 2	0.3 26	0.026	0.340	285.7	2400	2 0	2 6	61	3 6 7	3 1 6
0.30± 0.010	0.29 8	0.3 02	0.3 30	0. 3 3 5	0.3 40	0.028	0.352	262.9	2800	2 0	2 6	61	3 9 8	3 3 7
0.32± 0.010	0.31 7	0.3 22	0.3 50	0. 3 5 5	0.3 60	0.028	0.372	230.0	2800	2 0	2 6	55	3 9 8	3 3 7
0.35± 0.010	0.34 7	0.3 52	0.3 80	0. 3 8 5	0.3 90	0.028	0.402	191.2	2800	2 0	2 7	50	4 0 8	3 4 7
0.37± 0.010	0.36 7	0.3 72	0.4 00	0. 4 0 5	0.4 10	0.028	0.424	170.6	2800	2 0	2 7	50	4 0 8	3 4 7
0.40± 0.010	0.39 7	0.4 02	0.4 32	0. 4 3 8	0.4 44	0.030	0.456	145.3	2800	2 0	2 7	76	4 4 9	3 7 7
0.45± 0.010	0.44 6	0.4 52	0.4 84	0. 4 9 0	0.4 96	0.032	0.508	114.2	2800	2 0	2 8	72	4 7 9	4 0 8
0.50± 0.010	0.49 6	0.5 02	0.5 36	0. 5 4 2	0.5 48	0.034	0.560	91.43	3050	2 0	2 8	67	5 2 0	4 4 9
0.55± 0.020	0.54 6	0.5 52	0.5 86	0. 5 9 3	0.6 00	0.034	0.620	78.15	3050	2 0	2 9	62	5 2 0	4 4 9

0.60±0.020	0.596	0.602	0.636	0.643	0.650	0.034	0.672	65.26	3050	20	29	62	530	459
0.65±0.020	0.646	0.653	0.689	0.697	0.705	0.036	0.724	55.31	3050	20	29	58	571	490
0.70±0.020	0.696	0.703	0.741	0.749	0.757	0.038	0.776	47.47	3050	20	30	53	612	520
0.75±0.020	0.746	0.753	0.793	0.801	0.809	0.040	0.830	41.19	3400	25	30	53	653	551
0.80±0.020	0.795	0.803	0.845	0.853	0.861	0.042	0.882	36.08	3400	25	30	66	683	581
0.85±0.020	0.845	0.853	0.897	0.905	0.913	0.044	0.934	31.87	3400	25	30	66	724	612
0.90±0.020	0.895	0.903	0.949	0.957	0.965	0.046	0.986	28.35	3400	25	31	62	765	653
0.95±0.020	0.945	0.953	1.001	1.009	1.017	0.048	1.038	25.38	3400	25	31	62	806	683
1.00±0.030	0.995	1.003	1.053	1.062	1.071	0.050	1.102	23.33	3400	25	32	58	847	714
1.10±0.030	1.094	1.103	1.157	1.166	1.175	0.052	1.204	19.17	4150	25	32	54	887	755
1.20±0.030	1.194	1.203	1.257	1.266	1.275	0.052	1.304	16.04	4150	25	32	54	897	755
1.30±0.030	1.294	1.303	1.359	1.368	1.377	0.054	1.408	13.61	4150	25	33	50	938	786
1.40±0.030	1.394	1.403	1.459	1.468	1.477	0.054	1.508	11.7	4150	25	33	46	949	806
1.50±0.030	1.494	1.503	1.561	1.571	1.581	0.056	1.612	10.16	4150	25	33	46	1000	836

1.60± 0.030	1.59 3	1.6 03	1.6 61	1. 6 7 1	1.6 81	0.056	1.712	8.906	4150	2 5	3 3	42	1 0 0 0	8 4 7
1.70± 0.030	1.69 3	1.7 03	1.7 63	1. 7 7 3	1.7 83	0.058	1.814	7.871	4350	2 5	3 3	--	1 0 2 0	8 8 7
1.80± 0.030	1.79 3	1.8 03	1.8 63	1. 8 7 3	1.8 83	0.058	1.914	7.007	4350	2 5	3 4	--	1 0 2 0	8 8 7
1.90± 0.030	1.89 3	1.9 03	1.9 65	1. 9 7 5	1.9 85	0.060	2.018	6.278	4350	2 5	3 4	--	1 1 2 0	9 2 8
2.00± 0.030	1.99 3	2.0 03	2.0 65	2. 0 7 6	2.0 87	0.060	2.118	5.656	4350	3 0	3 4	--	1 1 2 0	9 3 8
2.10± 0.030	2.09 2	2.1 04	2.1 67	2. 1 7 8	2.1 89	0.062	2.220	5.123	4350	3 0	3 4	--	1 1 2 0	9 6 9
2.20± 0.030	2.19 2	2.2 04	2.2 69	2. 2 8 0	2.2 91	0.064	2.322	4.662	4350	3 0	3 5	--	1 2 2 0	1 0 0
2.30± 0.030	2.29 2	2.3 04	2.3 69	2. 3 8 0	2.3 91	0.064	2.422	4.260	4350	3 0	3 5	--	1 2 2 0	1 1 0
2.40± 0.030	2.39 2	2.4 04	2.4 71	2. 4 8 2	2.4 93	0.066	2.526	3.908	4350	3 0	3 5	--	1 2 2 0	1 2 0
2.50± 0.030	2.49 2	2.5 04	2.5 73	2. 5 8 5	2.5 97	0.068	2.628	3.598	4350	3 0	3 5	--	1 3 3 0	1 2 0
2.60± 0.030	2.59 0	2.6 04	2.6 73	2. 6 8 5	2.6 97	0.068	2.728	3.324	4350	3 0	3 5	--	1 3 3 0	1 2 0
2.70± 0.030	2.69	2.7 04	2.7 73	2. 7 8 5	2.7 97	0.068	2.828	3.079	4350	3 0	3 5	--	--	--
2.80± 0.030	2.79	2.8 04	2.8 73	2. 8 8 5	2.8 97	0.068	2.928	2.861	4350	3 0	3 6	--	--	--
2.90± 0.030	2.89	2.9 04	2.9 73	2. 9 8 5	2.9 97	0.068	3.028	2.665	4350	3 0	3 6	--	--	--

3.00± 0.030	2.99 0	3.0 04	3.0 73	3. 0 8 5	3.0 97	0.068	3.128	2.489	4350	3 0	3 6	--	--	--
3.20± 0.040	3.19	3.2 04	3.2 73	3. 2 8 5	3.2 97	0.068	3.338	2.198	4350	3 0	3 6	--	--	--



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