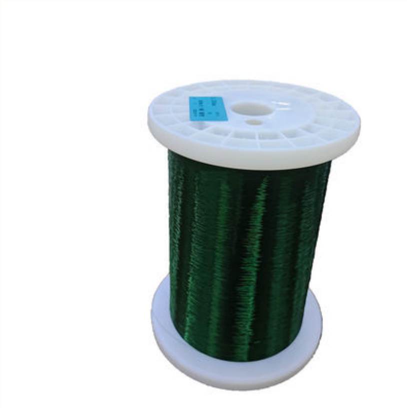
High Breakdown Voltage Enameled Copper Clad Wire for Stable Signal Transmission

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: PEWSC
- Certification: UL
- Model Number: UEHN
- Minimum Order Quantity: 300KG
- Price: It depends
- Packaging Details: Carton
- Delivery Time: 3-5 work days
- Payment Terms: Cash on payments
- Supply Ability: Delivery 10-15 Days after Next Order



Product Specification

- Conductor: Oxygen Free Copper
- Advantage: High Breakdown Voltage
- Application: Electrical And Electronic Equipment
- Feature: Factory Supplies
- Temperature Rating: 155
- Delivery: Timely Delivery Guaranteed
- Conductor Resistance: Depends On Size And Temperature
- Insulation Thickness: 0.01mm-0.5mm
- Highlight: **Enameled Copper Clad Wire, Signal Transmission Enameled Copper Clad Wire, High Breakdown Voltage Copper Clad Wire**

Our Product Introduction

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Product Description

Product Description:

The thickness of the insulation on enamelled round copper wire ranges from 0.01mm to 0.5mm, depending on the application. This makes it suitable for a wide range of electrical applications, including transformers, motors, and generators.
One of the key advantages of enamelled round copper wire is its high breakdown voltage. This means it can withstand high voltages without breaking down or causing damage to the surrounding components. This makes it a reliable choice for high-voltage applications.
The conductor resistance of enamelled round copper wire depends on its size and temperature. It can be used in a wide range of temperatures, making it a versatile choice for many different applications.
To produce enamelled round copper wire, a copper wire tinning machine is used to apply a layer of insulation to the copper wire. This insulation can be made from a variety of materials, including polyester, polyurethane, and polyamide. The insulation is then cured and baked to create a durable, long-lasting coating.
Enamelled round copper wire is sometimes confused with copper-clad wire, which is made by coating a layer of copper over a core material such as steel or aluminum. Copper-clad wire is often used in the construction industry, while enamelled round copper wire is primarily used in the electrical industry.
In conclusion, enamelled round copper wire is a high-quality, versatile type of wire that is used in a wide range of electrical applications. Its high breakdown voltage, excellent conductivity, and durability make it a reliable choice for many different applications.

Applications:

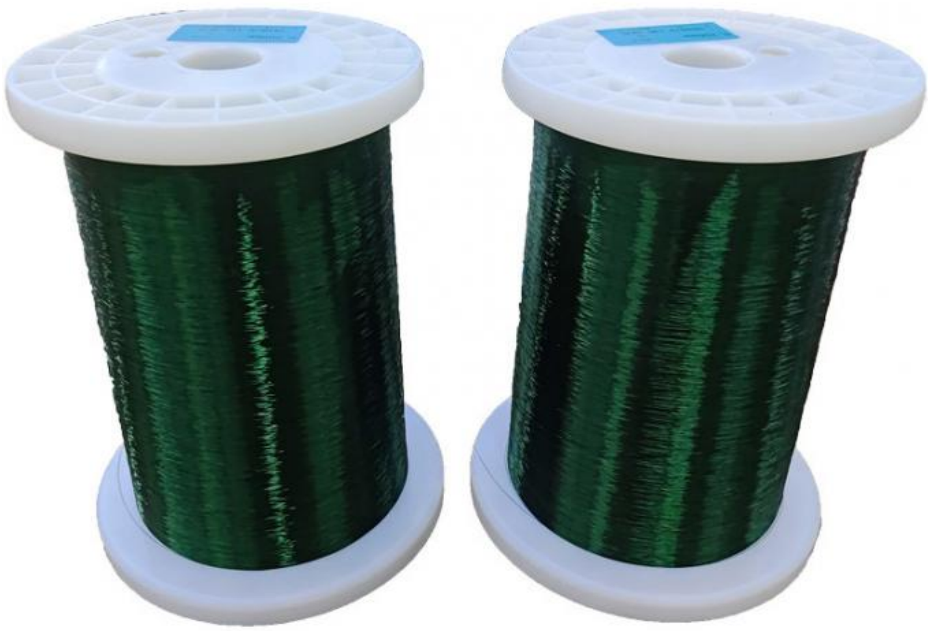
The Enamelled Round Copper Wire is an excellent choice for products that require high breakdown voltage. This wire is made of oxygen-free copper, which ensures high conductivity and helps reduce the conductor resistance. The conductor resistance depends on the size and temperature of the wire.
The Enamelled Round Copper Wire can be used in various applications such as winding wire for motors, transformers, and generators. It is also used in the production of Copper Alloy Welding Wire and Enameled Copper Clad Wire. This product is compatible with Copper Wire Enamelling Machine, which makes it easy to apply the enamel coating.
This product is an ideal choice for customers who are looking for a reliable, high-quality, and cost-effective solution. With timely delivery guaranteed, customers can rest assured that their orders will be delivered on time, every time.

Customization:

Enamelled Round Copper Wire is a copper coated steel wire that has been specially designed to be used in a variety of electrical and electronic equipment. It is highly durable and is able to withstand high temperatures and harsh conditions. Whether you are looking for a wire that is perfect for winding, or you need a wire that is capable of handling high levels of electrical current, Enamelled Round Copper Wire is the perfect choice.

Support and Services:

Our Enamelled Round Copper Wire product comes with extensive technical support and services to ensure optimal performance and satisfaction. Our team of experts can provide assistance with product selection, design, and application, as well as troubleshooting and repair services. Additionally, we offer customized solutions to meet specific requirements and needs. Our commitment to quality and customer service means that we are always available to answer any questions or concerns and provide ongoing support throughout the product lifecycle.



JIS---0種	Unit mm

Diameter of Conduct	Conductor Control Benchmarks		OD Control Benchmarks			Specification Boundaries		Conductor Resistance 20 (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	Minimum
0.06±0.003	0.059	0.061	0.093	0.098	0.103	0.030	0.110	6966	2500	10	15	--	--	--
0.07±0.003	0.069	0.071	0.103	0.108	0.113	0.030	0.120	4990	2500	10	17	--	--	--
0.08±0.003	0.079	0.081	0.115	0.120	0.125	0.032	0.133	3778	3000	10	17	--	--	--
0.09±0.003	0.089	0.091	0.125	0.130	0.135	0.032	0.143	2959	3000	10	18	--	--	--
0.10±0.008	0.098	0.101	0.134	0.139	0.144	0.032	0.156	2647	3500	15	19	--	--	--
0.11±0.008	0.108	0.111	0.144	0.149	0.154	0.032	0.166	2153	3500	15	19	--	--	--
0.12±0.008	0.118	0.121	0.156	0.161	0.166	0.034	0.180	1786	3750	15	20	--	--	--
0.13±0.008	0.128	0.131	0.162	0.171	0.176	0.034	0.190	1505	3750	15	20	--	--	--
0.14±0.008	0.138	0.141	0.176	0.181	0.186	0.034	0.200	1286	3750	15	21	--	--	--
0.15±0.008	0.148	0.151	0.186	0.191	0.196	0.034	0.210	1111	3750	15	21	--	--	--
0.16±0.008	0.158	0.161	0.198	0.203	0.208	0.036	0.222	969.5	3750	15	22	--	--	--

0.17±0.008	0.168	0.171	0.208	0.213	0.218	0.036	0.232	853.5	3750	15	23	--	--	--
0.18±0.008	0.178	0.181	0.220	0.225	0.230	0.038	0.246	757.2	3800	15	23	--	--	--
0.19±0.008	0.188	0.191	0.230	0.235	0.240	0.038	0.256	676.2	3800	15	23	--	--	--
0.20±0.008	0.198	0.201	0.240	0.245	0.250	0.038	0.266	607.6	3800	15	24	--	--	--
0.21±0.008	0.207	0.212	0.250	0.255	0.260	0.038	0.276	549.0	3800	15	24	--	--	--
0.22±0.008	0.217	0.222	0.260	0.265	0.270	0.038	0.286	498.4	3800	15	24	--	--	--
0.23±0.008	0.227	0.232	0.272	0.277	0.282	0.040	0.298	454.5	3800	15	24	--	--	--
0.24±0.008	0.237	0.242	0.282	0.287	0.292	0.040	0.308	416.2	3800	15	24	--	--	--
0.25±0.008	0.247	0.252	0.292	0.297	0.302	0.040	0.318	382.5	3800	15	25	66	--	--
0.26±0.010	0.257	0.262	0.302	0.307	0.312	0.040	0.330	358.4	3800	15	25	66	551	479
0.27±0.010	0.267	0.272	0.312	0.317	0.322	0.040	0.340	331.4	3800	15	26	61	551	479
0.28±0.010	0.277	0.282	0.322	0.327	0.332	0.040	0.350	307.3	3800	15	26	61	561	479
0.29±0.010	0.287	0.292	0.332	0.337	0.342	0.040	0.360	285.7	3800	20	26	61	561	490
0.30±0.010	0.297	0.302	0.344	0.349	0.354	0.042	0.374	262.9	4200	20	26	61	592	510

0.32±0.010	0.316	0.322	0.364	0.369	0.374	0.042	0.394	230.0	4200	20	26	55	602	510
0.35±0.010	0.346	0.352	0.394	0.399	0.404	0.042	0.424	191.2	4200	20	27	50	612	520
0.37±0.010	0.366	0.372	0.416	0.421	0.426	0.044	0.446	170.6	4200	20	27	50	643	551
0.40±0.010	0.396	0.402	0.448	0.454	0.460	0.046	0.480	145.3	4200	20	27	76	683	581
0.45±0.010	0.445	0.452	0.500	0.506	0.512	0.048	0.532	114.2	4200	20	28	72	724	622
0.50±0.010	0.495	0.502	0.552	0.558	0.564	0.050	0.586	91.43	4500	20	28	67	765	653
0.55±0.020	0.545	0.552	0.602	0.608	0.614	0.050	0.646	78.15	4500	20	29	62	775	663
0.60±0.020	0.595	0.602	0.654	0.661	0.668	0.052	0.698	65.26	4500	20	29	62	816	694
0.65±0.020	0.645	0.653	0.707	0.715	0.723	0.054	0.752	55.31	4500	20	29	58	857	734
0.70±0.020	0.695	0.703	0.759	0.767	0.775	0.056	0.804	47.47	4500	20	30	53	898	765
0.75±0.020	0.745	0.753	0.813	0.822	0.831	0.060	0.860	41.19	5100	20	30	53	979	826
0.80±0.020	0.794	0.803	0.865	0.874	0.883	0.062	0.914	36.08	5100	25	30	66	1010	867
0.85±0.020	0.844	0.853	0.917	0.926	0.935	0.064	0.966	31.87	5100	25	30	66	1020	898
0.90±0.020	0.894	0.903	0.969	0.978	0.987	0.066	1.020	28.35	5100	25	31	62	1120	928

0.95±0.020	0.944	0.953	1.021	1.031	1.041	0.068	1.072	25.38	5100	25	31	62	1120	969
1.00±0.030	0.994	1.003	1.075	1.085	1.095	0.072	1.138	23.33	5100	25	32	58	1220	1020
1.10±0.030	1.093	1.103	1.179	1.190	1.201	0.074	1.242	19.17	5900	25	32	54	1220	1020
1.20±0.030	1.193	1.203	1.279	1.290	1.301	0.074	1.342	16.04	5900	25	32	54	1330	1120
1.30±0.030	1.293	1.305	1.383	1.395	1.407	0.078	1.448	13.61	5900	25	33	50	1330	1120
1.40±0.030	1.393	1.405	1.483	1.495	1.507	0.078	1.548	11.70	5900	25	33	46	1330	1120
1.50±0.030	1.493	1.505	1.587	1.599	1.611	0.082	1.654	10.16	5900	25	33	46	1430	1220
1.60±0.030	1.592	1.605	1.687	1.699	1.711	0.082	1.754	8.906	5900	25	33	42	1430	1220
1.70±0.030	1.692	1.703	1.789	1.801	1.813	0.084	1.856	7.871	6300	25	33	--	1530	1330
1.80±0.030	1.792	1.803	1.889	1.901	1.913	0.084	1.956	7.007	6300	25	34	--	1530	1330
1.90±0.030	1.892	1.903	1.993	2.005	2.017	0.088	2.062	6.278	6300	25	34	--	1630	1330
2.00±0.030	1.992	2.003	2.093	2.105	2.117	0.088	2.162	5.656	6300	30	34	--	1630	1330
2.10±0.030	2.090	2.104	2.195	2.208	2.221	0.090	2.266	5.123	6300	30	34	--	1630	1430
2.20±0.030	2.19	2.204	2.297	2.310	2.323	0.092	2.368	4.662	6300	30	35	--	1730	1430

2.30±0.030	2.29	2.304		2.397	2.410	2.423		0.092	2.468		4.260	6300		30	35		--	1730	1430
2.40±0.030	2.390	2.404		2.501	2.515	2.529		0.096	2.574		3.908	6300		30	35		--	1840	1530
2.50±0.030	2.490	2.504		2.603	2.617	2.631		0.098	2.678		3.598	6300		30	35		--	1840	1530
2.60±0.030	2.590	2.604		2.703	2.717	2.731		0.098	2.778		3.324	6300		30	35		--	1840	1530
2.70±0.030	2.690	2.704		2.803	2.817	2.831		0.098	2.878		3.079	6300		30	35		--	--	--
2.80±0.030	2.790	2.804		2.903	2.917	2.931		0.098	2.978		2.861	6300		30	36		--	--	--
2.90±0.030	2.890	2.904		3.003	3.017	3.031		0.098	3.078		2.665	6300		30	36		--	--	--
3.00±0.030	2.99	3.004		3.103	3.117	3.131		0.098	3.178		2.489	6300		30	36		--	--	--
3.20±0.030	3.19	3.204		3.303	3.319	3.335		0.098	3.388		2.198	6300		30	36		--	--	--