



Copper LITZ Wire / Enamel Insulated Wire For High Frequency Coil Equipment

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: PEWSC
- Certification: UL
- Model Number: LITZ Wire
- 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

- Product Name: LITZ Wire
- Conductor Material: Copper
- Strand: UEW/PEW/EIW/AIW
- Twist Rea Max: 1.02mm²
- Application: For All Types Of High-frequency Coil Equipment
- Sample: Free
- Color: Natural、Red
- Country Of Origin: China
- Highlight: **Copper Litz Wire, hf litz wire, Copper enamel insulated wire**



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Product Description

Any Different Insulation Enamelled Wires LITZ Wire For All Types Of High-Frequency Coil Equipment

High conductivity: Stranded wires are usually made of highly conductive metals such as copper or aluminum, which ensures high efficiency and low resistance for current transmission.

Good Mechanical Strength: By tightly twisting multiple individual wires, stranded wire possesses high tensile strength and flexibility to withstand the tensile forces and stresses of installation and use.

Corrosion resistance: Some stranded wire surfaces are specially treated, such as tin or silver plating, to improve their corrosion and oxidation resistance and extend their service life.

Electromagnetic compatibility: The stranded structure of stranded wire helps to reduce electromagnetic interference and improve the stability of signal transmission, which is especially suitable for data communication and high-frequency transmission occasions.

Flexibility and manageability: Stranded wire can be flexibly bent and routed for easy layout and management in complex installation environments.

Thermal Stability: Stranded wire is designed with heat dispersion in mind, making it possible to maintain stable performance over long periods of time and less likely to be damaged by overheating.

In summary, stranded wire has become an important basic material in the power and communication industry due to its high electrical conductivity, good mechanical strength, corrosion resistance, electromagnetic compatibility, flexibility and manageability, thermal stability, environmental adaptability, ease of connection, economy, diversified applications, safety standards and environmentally friendly materials.





		NEMA---Single												Unit mm
AWG	Diameter of Conduct		Conductor Control Benchmarks		OD Control Benchmarks			Specification Boundaries		Conductor Resistance 20 (Ω/K M)	Insulation breakdown voltage (v)	Min Elongation (%)	Max. Springiness (°)	Resistance to abrasion
														Average
44	0.051	+0.002 -0.003	0.050	0.052	0.056	0.059	0.060	0.005	0.061	9527.95	500	14	--	---
43	0.056	+0.002 -0.003	0.055	0.057	0.063	0.066	0.067	0.005	0.069	7815.03	550	15	--	---
42	0.064	+0.002 -0.003	0.063	0.065	0.071	0.073	0.075	0.005	0.076	5899.60	625	16	--	---
41	0.071	+0.003 -0.002	0.070	0.072	0.079	0.081	0.083	0.008	0.084	4610.88	700	17	--	---
40	0.07	+0.002	0.07	0.080	0.080	0.080	0.09	0.008	0.094	3800.	775	17	--	---

	9	- 0.00 3	8		7	9 0	3			62							
39	0.08 9	+0.0 02 - 0.00 3	0.08 8	0.090	0.09 9	0. 1 0 2	0.10 5	0.008	0.107	2968. 15	850	18	--	----			
38	0.10 2	+0.0 02 - 0.00 3	0.10 1	0.103	0.11 1	0. 1 1 4	0.11 7	0.008	0.118	2239. 81	950	19	--	----			
37	0.11 4	+0.0 03 - 0.00 2	0.11 3	0.115	0.12 5	0. 1 2 8	0.13 1	0.010	0.132	1750. 03	1075	20	--	----			
36	0.12 7	+0.0 03 - 0.00 3	0.12 6	0.128	0.13 9	0. 1 4 2	0.14 5	0.010	0.147	1427. 71	1200	20	--	----			
35	0.14 2	+0.0 03 - 0.00 2	0.14 1	0.143	0.15 4	0. 1 5 7	0.16 0	0.010	0.165	1120. 02	1325	21	--	----			
34	0.16	+0.0 03 - 0.00 3	0.15 9	0.161	0.17 5	0. 1 7 8	0.18 1	0.013	0.183	890.6 0	1500	22	--	----			
33	0.18	+0.0 03 - 0.00 2	0.17 9	0.181	0.19 5	0. 1 9 9	0.20 3	0.013	0.206	692.8 5	1675	23	--	----			
32	0.20 3	+0.0 03 - 0.00 2	0.20 2	0.205	0.22 0	0. 2 2 4	0.22 8	0.015	0.229	543.3 6	1850	24	--	----			
31	0.22 6	+0.0 03 - 0.00 2	0.22 5	0.228	0.24 3	0. 2 4 7	0.25 1	0.015	0.254	437.5 1	2075	24	--	----			
30	0.25 4	+0.0 02 - 0.00 3	0.25 2	0.256	0.27 4	0. 2 7 8	0.28 2	0.018	0.284	348.4 5	2300	25	66	22 95 50			
29	0.28 7	+0.0 03 - 0.00 3	0.28 5	0.289	0.30 8	0. 3 1 2	0.31 6	0.018	0.320	272.1 7	2375	26	61	32 16 05			
28	0.32	+0.0 03 - 0.00 2	0.31 8	0.322	0.34 3	0. 3 4 7	0.35 1	0.020	0.356	217.0 8	2425	26	55	32 38 55			
27	0.36 1	+0.0 02 - 0.00 3	0.35 8	0.363	0.38 3	0. 3 8 7	0.39 1	0.020	0.396	171.2 8	2500	27	50	33 50 50			
26	0.40 4	+0.0 02 - 0.00 5	0.40 1	0.406	0.42 9	0. 4 3 3	0.43 7	0.023	0.439	137.8 9	2550	27	76	33 82 05			
	0.45	+0.0 02	0.45		0.48 4	0. 4	0.49			108.4				43			

25	5	- 0.00 5	2	0.457	0	8	0	0.023	0.493	1	2625	28	72	04 00
24	0.51 1	+0.0 02 - 0.00 6	0.50 7	0.513	0.53 8	5 4 3	0.54 8	0.025	0.551	86.08	2700	28	67	43 36 05
23	0.57 4	+0.0 03 - 0.00 5	0.57 0	0.576	0.60 1	6 0 6	0.61 1	0.025	0.617	67.8	2775	29	62	43 69 00
22	0.64 3	+0.0 02 - 0.00 8	0.63 9	0.645	0.67 3	6 7 8	0.68 3	0.028	0.686	54.44	2850	29	58	44 91 05
21	0.72 4	+0.0 02 - 0.00 8	0.72 0	0.726	0.75 4	7 6 0	0.76 6	0.028	0.770	42.82	2925	30	53	54 24 55
20	0.81 3	+0.0 05 - 0.00 8	0.80 8	0.816	0.84 6	8 5 2	0.85 8	0.030	0.864	33.88	3000	30	66	54 67 05
19	0.91 2	+0.0 05 -0.01	0.90 7	0.915	0.94 5	9 5 1	0.95 7	0.030	0.963	26.98	3075	31	62	65 01 00
18	1.02 4	+0.0 05 - 0.01 1	1.01 9	1.027	1.06 0	6 6 6	1.07 2	0.033	1.077	21.39	3175	32	58	65 45 50
17	1.15 1	+0.0 05 - 0.01 3	1.14 5	1.154	1.19 0	1 9 6	1.20 2	0.036	1.207	16.95	3250	32	54	65 98 05
16	1.29	+0.0 08 - 0.01 2	1.28 4	1.293	1.33 0	3 3 6	1.34 2	0.036	1.349	13.44	3325	33	50	76 32 55
15	1.45	+0.0 08 - 0.01 5	1.44 4	1.453	1.49 2	4 9 8	1.50 5	0.038	1.509	10.66	3425	33	46	76 86 05
14	1.62 8	+0.0 08 - 0.01 5	1.62 1	1.631	1.67 3	6 8 0	1.68 7	0.041	1.692	8.44	3525	33	42	87 41 05
The above single wear resistance value is applicable to MW-5C 35C 30C 81C 80C 24C 28C 76C , voltage resistance is applicable to MW-5C 35C 30C 81C 79C 75C 77C 26C .														



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