



Class

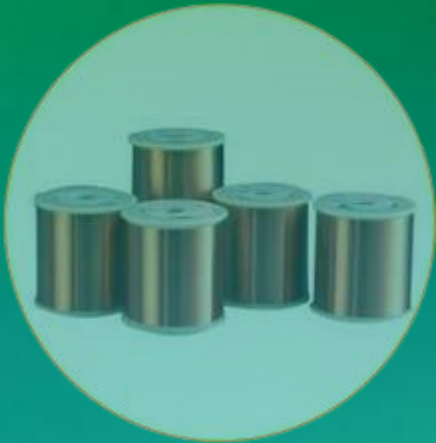
180

Enameled

Round

Copper

Wire



Zhengzhou LP Industry CO.,LTD

LNPU



Round enameled copper wire is a type of wire that consists of a copper core coated with a layer of enamel insulation. This type of wire is commonly used in various electrical applications, including transformers, motors, generators, and electromagnets. The enamel insulation provides excellent electrical insulation and thermal properties, making it an ideal choice for high-temperature applications. The round shape of the wire allows for easy winding, which is crucial in applications where space is limited. The copper core of the wire offers excellent conductivity, which makes it an efficient choice for transmitting electrical signals. Overall, the round enameled copper wire is a versatile and reliable wire that is essential in the world of electrical engineering.

0.016-7mm Class 180 Enameled Round Copper Wire

Name	Enameled Round Wire
Conductor	Copper
Dimension	Diameter: 0.016~7.0 mm
Thermal Class (°C)	120(Class E) ;180 (Class H) ;200 (Class C) ;220 (Class C+) ; 240(Class HC)
Insulation thickness	G1;G2;G3
Certificate	UL
Standard	IEC, NEMA, GB, JIS
Packing	PT-4~PT-200 or ply-wood spool
Application	Transformer ; motor;generator ; modern instrument ; welding machine and so on

Note: This type of wire typically has a round shape and a shiny, metallic surface due to its copper composition. It is coated with a layer of enamel insulation that may be colored, typically in red or green shades, and ranges in thickness from 0.016mm to



Application:

motors, transformers, and generators

Class 180 enameled round copper wire is a type of magnet wire commonly used in electrical applications. The "Class 180" designation indicates that the wire is able to withstand temperatures of up to 180°C (356°F) without losing its electrical or mechanical properties. The term "enamel" refers to the insulation material that is applied to the wire to prevent it from shorting out when it is wound into coils.

key features:

Good conductivity: Copper is an excellent conductor of electricity, which makes it ideal for use in electrical applications. The high conductivity of copper means that less energy is lost as heat when electricity flows through the wire.

Thermal stability: The Class 180 temperature rating means that this wire can operate at high temperatures without degrading its electrical or mechanical properties. This makes it suitable for use in applications where high temperatures are a concern.

Chemical resistance: The enamel insulation on the wire provides protection against chemical corrosion and other environmental factors that can damage the wire.

Durability: Copper wire is known for its durability and resistance to wear and tear, which makes it ideal for use in applications where the wire will be subjected to frequent use or stress.

Versatility: Class 180 enameled round copper wire can be used in a wide range of applications, including motors, transformers, generators, and other electrical devices.



Note: Any questions you can send email to

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