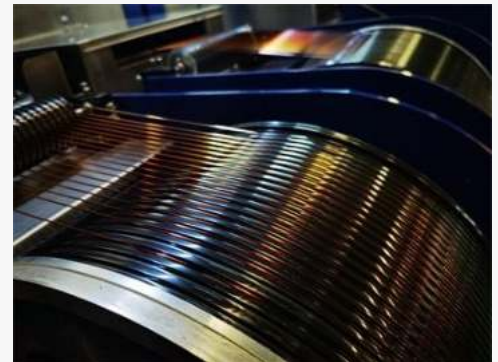


AWG enameled copper wire

Specifications

Parameter	Specification
Applicable Standard	IEC 60317
Insulating Enamel Type	Polyesterimide
I.A.C.S Copper	100%
Grade	2
Thermal Class	H / 200°C (checking for 155° C & 180°C Optional)



Temperature 155 180 200°C

The best-selling size is 200°C rated wires and the optional enameled copper wire with different heat resistance levels (155°C and 180°C). Comparison is as follows:

Thermal Class	Maximum Temperature (°C)	Application Suitability
Class H	200	High-temperature environments
Class F	180	Moderate temperature rise
Class B	155	Standard applications

Standards

The selection of wire for PT/CT applications requires careful consideration of insulation type, thermal class, and wire gauge. All wires produced in our factory comply with IEC 60317 standards. Various sizes and different heat resistance grades are available.

Generally, the main wire sizes used range from AWG 4 to AWG 34. Examples of popular sizes are as follows:

AWG Size	Diameter (mm)	Typical Application
AWG 8	3.26	High-current primary windings
AWG 12	2.05	Medium-power applications
AWG 16	1.29	Control circuits
AWG 17	1.15	Secondary windings
AWG 30	0.255	Precision low-power winding
AWG 31	0.227	Micro-coil applications





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