

Aluminium Enamelled /Magnet Wire

Our Enamelled Aluminium round magnet wire is widely used in electrical motors, lighting fixtures, transformers, coils, switchgears, solenoid valves, automobiles, electrical appliances, industrial electronics, pumps and fans. It find its best use as electrical conductor wherever coils are in motion and because of the low density of aluminium the coil weight can be reduced to approximately one third of a similar copper coil. Easier and more efficient acceleration of the moving part is achieved due to the advantage in weight, which results in performance enhancement.

Products Range

	1	2	3
Type of enamelled wire	High mechanical strength	High temperature	High temperature
SPECIFICATIONS/ STANDARD	IS : 13730 / IEC-60317 PART --- 9	IS : 13730 / IEC-60317 PART --15	IS : 13730 / IEC-60317 PART --25
THERMAL CLASS	130	180	200
Chemical base of base/ Single coat	Polyester	Polyesterimide	Polyesterimide
Chemical base of top coat			Polyamideimide
Range of Wire (Diameter)	6.400 - 0.300 mm	6.400 - 0.300 mm	6.400 - 0.300 mm

Insulation Range	Grade 1,2 & 3 as per IEC	Grade 1,2 & 3 as per IEC	Grade 1,2 & 3 as per IEC
Heat shock (°C)	155	200	220
Cut through (°C)	240	300	320
Flexibility & Adherence	Very Good	Good	Very good
Delivery Spools	Please refer Aluminium enamelled wire packing range chart		