

EmTherm 180 AL

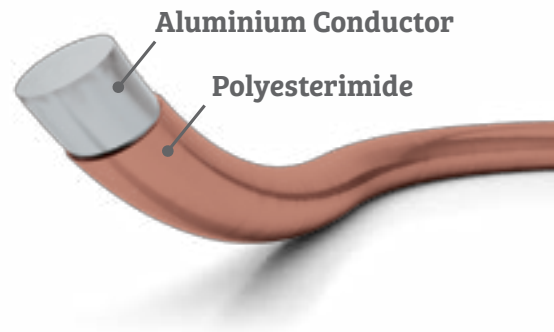
IEC 60317 - 15

EmTherm 180 AL, is polyesterimide enamelled aluminium wire belonging in H (180°C) thermal class, able to be manufactured in the diameter range of 0.18 - 6.00 mm. Provides advantage due to the low density of aluminium in cases where weight is more important than volume.

Providing thermal resistance up to 180 °C, EmTherm 180 AL offers ease of winding due to the flexible enamel layer coated on soft conductor..

Fields of Use:

- Inverter drive motors
- High power motors
- Power bridges
- Semi-hermetic compressor motors



Thermal Class (°C)	Class H, 180°C
Insulation Base Coat	Polyesterimide
Insulation Top Coat	-
Insulation Bonding Layer	-
Production Range (mm)	0.18 - 6.00 mm
Standards IEC	IEC 60317 - 15
Thermal Class (°C)	180°C
Heat Shock (°C)	≥ 200°C
Cut-Through Temperature (°C)	≥ 320°C
Soldering Temperature (°C)	Non-solderable
Bonding Temperature (°C)	Non-applicable
Re-softening Temperature (°C)	Non-applicable
Normal Solvent Resistance	4H
Dipping Varnish Resistance	Very good
Refrigerant Resistance	Very good
Transformer Oil Resistance	Very good
Distinct Features	Better weight ratio compared to copper, price advantage, ease of winding due to soft and flexible structure.
Fields of Use	Mechanical ballasts, lighting transformers, light motors.