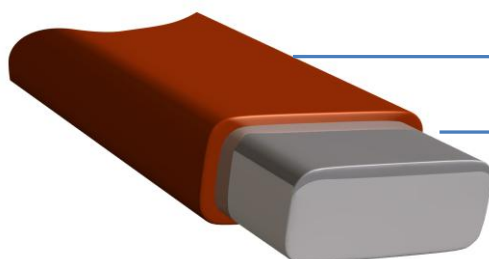


ELSAN

ALF180H

INSULATION

Polyester or Polyesterimide Enamelled Rectangular Aluminium Wire, Class 180



Base Coat :Polyester or Polyesterimide

Conductor: Aluminium

STANDARDS

No standard yet.

AVAILABILITY

10-100 mm²

7 - 3/0 AWG

APPLICATIONS

Alternators

Electrical Motors

Dry Type Transformers

PROPERTIES

Good mechanical and thermal properties

Excellent dielectric performance

Good chemical and moisture resistance

Superior thermal overload protection

TECHNICAL PROPERTIES

MECHANICAL

Flexibility (width $\leq$ 10 mm)

No crack for 4 x width

Flexibility (width $>$ 10 mm)

No crack for 5 x width

Flexibility (thickness)

No crack for 5 x thickness

Adherence

Loss of adhesion max 1 x width

THERMAL

Thermal Index

180 °C

Heat Shock

$>$ 200 °C

CHEMICAL

Resistance to Solvents

3H

Resistance to Refrigerants

Good

Resistance to Transformer Oil

Very Good

ELECTRICAL

Breakdown Voltage

$\geq$ 1500 V (Grade 1)

$\geq$ 2500 V (Grade 2)

Conductivity (m/ Ω mm²)

$\geq$ 35,5

The values provided in this document represent typical characteristics of ELSAN magnet wires and are intended for information purposes only. They should not be considered as a warranty or guarantee of specific product properties or performance. Customers are advised to verify the suitability of the product for their intended application.