

Round Enamelled Wire

Aluminium, Heat Resistant, Class 200



Characteristics

Product name:

ATL 200 AL - Gr 2, ATL 200 AL - Gr 3

Specifications:

IEC 60317-25

Class: 200

Temperature index: $\geq 200^{\circ}\text{C}$

Heat shock: $\geq 220^{\circ}\text{C}$

Conductor material:

EN 1715 - EN AW1370 [Al 99.7]

Insulation:

Basecoat: THEIC-modified polyester or polyesterimide

Overcoat: polyamide-imide

Shelf life:

10 years, under normal ambient conditions

Properties:

- High heat resistance
- Suitable in lightweight designs
- Very good resistance to transformer oils
- Very good resistance to typical solvent
- Freon resistant

Field of application:

- Lightweight designs
- Electric motors
- Oil-cooled transformers
- Dry-insulated transformers
- Welding transformers

Dimension range:

ATL 200 AL - Gr 2: $0,315 \leq \varnothing \leq 6,000$

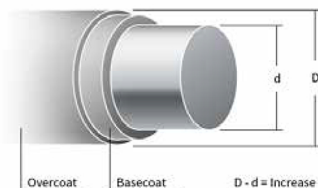
ATL 200 AL - Gr 3: $0,315 \leq \varnothing \leq 6,000$

Standard packaging:

$0,315 \leq \varnothing < 0,900$ PT25/PT60

$0,900 \leq \varnothing < 6,000$ PT60/PT90

Product drawings



Technical Properties

Main characteristics	Acceptance criteria	Test values for a damid200 sample (1,00 mm, Gr2)
Thermal properties Heat shock	$\geq 220^{\circ}\text{C}$	$\geq 220^{\circ}\text{C}$
Cut-through	$\geq 320^{\circ}\text{C}$	OK at 340°C
Temperature index	$\geq 200^{\circ}\text{C}^{\text{I}}$	$\geq 200^{\circ}\text{C}^{\text{I}}$
Electrical properties Conductor resistance	$0,02817 \Omega\text{mm}^2/\text{m}$	$0,02817 \Omega\text{mm}^2/\text{m}$
Conductivity	$> 35.5 \text{ m}/(\Omega\text{mm}^2)$	$> 35.5 \text{ m}/(\Omega\text{mm}^2)$
Breakdown voltage	IEC 60317-0-3 ²⁾	9,0 kV
Mechanical properties Elongation	IEC 60317-0-3 ²⁾	25%
Flexibility	$3 \times \varnothing$	-
	min 15%	20%
Adherence	No loss of adhesion	-
	min. 110°	140