

Rectangular Enamelled Wire

Copper, Heat Resistant, Class 200



Characteristics

Product name:

CTL200

Specifications:

IEC 60317-29

Class: 200

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

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

Conductor material:

EN 1977 - ETP1 CW003 AEN 1977

ETP CW004AASTM B49

ETP C11000/C11040

Insulation:

Basecoat: THEIC-modified polyester or polyesterimide

Overcoat: polyamide-imide

Shelf life:

6 years, under normal ambient conditions

Properties:

- High heat resistance
- Very good resistance to transformer oils
- Very good resistance to typical solvent
- Freon resistant
- Excellent resistance to mechanical stress

Field of application:

- Electric motors
- Rotor coils
- Transformers
- Chokes

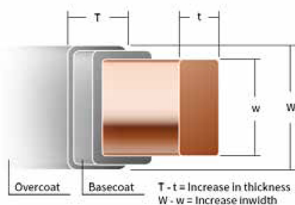
Dimension range:

CTL 200- Gr 2 : 1 - 100 mm²

Standard packaging:

PT520

Product drawings



Technical Properties

Main characteristics	Acceptance criteria	Test values for a damid200 sample (1,00 mm, Gr2)
Thermal properties Heat shock	$\geq 220^{\circ}\text{C}$, 6 x T	$\geq 220^{\circ}\text{C}$, 6 x T
Temperature index	$\geq 200^{\circ}\text{C}$	$\geq 200^{\circ}\text{C}$
Electrical properties Conductor resistance	0,01724 $\Omega\text{mm}^2/\text{m}$	0,01724 $\Omega\text{mm}^2/\text{m}$
Conductivity	$> 58 \text{ m}/(\Omega\text{mm}^2)$	$> 58 \text{ m}/(\Omega\text{mm}^2)$
Breakdown voltage	2,0 kV	5,0 kV
Adherence Cut and stretch	15 % stretch, loss of adhesion $< 1 \times$ width	30 % stretch