



DALITZ

Round or rectangular winding wire of litz copper, class 180

Product name:

DALITZ

Specifications:

DIN 46 436-1

UL approval:

Approved: Litz construction

UL-file no: E101843

Class: 180

Temperature index ≥ 180 °C

Conductor material:

EN 1977 - ETP1 CW003A

Standard packaging:

Round, rectangular H 710

Shelf life:

6 years, under normal ambient conditions

Properties:

- High flexibility

Field of application:

- Transformers

- Reactor

Dimensions:

Single strand: 0,6 - 1,0 mm

Litz construction:

Typical 1+6 wires (can be varied)

Cross section:

Round (bare wire): 4 - 300 mm²

Round (enamelled wire): 4 - 250 mm²

Rectangular: 4 - 160 mm²

Typical wires used:

Dasol 180 (solderable)

Polyurethane

Damid 200

Polyester or polyesterimide overcoated with polyamide-imide

Overall insulation:

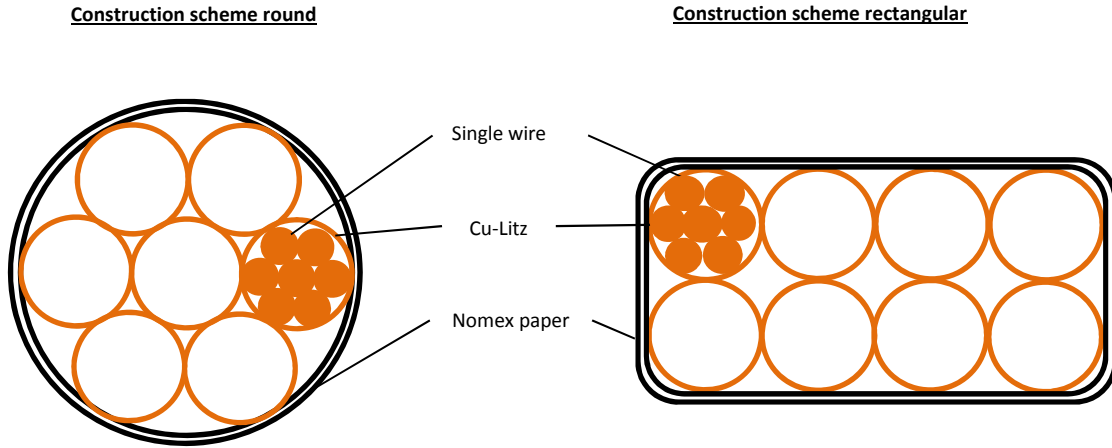
Polyamid-paper (Nomex) and/or Polyester-tape

Regarding other insulation constructions and materials please contact us for more information

The technical data included is up to date at the time of printing.
LWW reserves the right to make any amendments deemed necessary

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Fill factor: about 0,8

Example for 150 mm²: 300 single wire, diam. 0,8 mm in 37 Litz

Properties for DALITZ

Main characteristics	Properties for Litz Cu
Thermal properties	
Temperature index	≥ 180 °C ¹⁾
Electrical properties	
Conductivity	> 58 m/(Ωmm ²)
Breakdown voltage of Nomex	20 V/μm
Mechanical properties	
Elongation of outer fiber	20%

1. According to supplier certificate

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Ed.A(5)

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