

RUPALIT®

RUPALIT® AL

Product datasheet

PACK

LitzWire

family owned
since 1933

Stranded Enamelled Copper Wire

RUPALIT® is the classic among high-frequency litz wires for applications that require maximum efficiency with minimum losses.



With individual cross-sections and the highest single-wire quality, we guarantee the reliability your components need over the long term.

Through the optimal twisting of single wires — from a few to several thousand thin enamelled copper wires — the surface area is maximized and loss effects are minimized.

Advantages

- Higher overall efficiency of the component due to lower power losses
- Improved heat dissipation in the winding
- Higher efficiency
- Customer-specific parameters possible
- Easy further processing
- Significantly reduced eddy-current losses and lower heat generation

Technical data

Construction

- Enamelled copper wires (0.02–0.80 mm, 20–52 AWG) according to IEC 317 ff. with optimized twisting structure for symmetrical current distribution
- Conductor cross-sections according to your individual requirements
- Litz-wire construction can be customized
- Special construction with self bonding wires available on request



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UL No.: E135341
V155/MW79

Single wire

- Copper (Cu-ETP) according to DIN EN standard with high purity, tight diameter tolerances and high conductivity
- Enamel coating thicknesses (Grade 1 and Grade 2) with optimized tolerances
- Temperature classes F (155°C), H (180°C), C (210°C), 240°C

Applications

- Automotive – inductive charging (high power / EV)
- Industrial electronics
- Household industry – induction cooking



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