

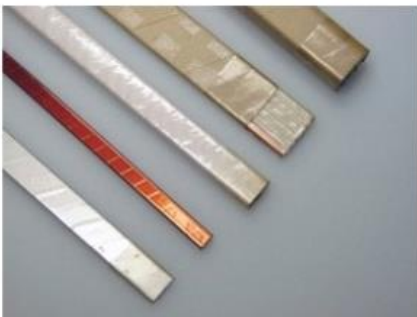
WINDING WIRES AND HIGH FREQUENCY LITZ WIRES / HIGH FREQUENCY LITZ WIRES



Press Litz Wires and Profiles of highest quality manufactured according to customer specifications

Profiles and Press Litz wires for the Winding Technology

Insulated profiles and wires flat and round



Dimensions of flat wires / flat profiles:

- Standard from 4 - 129 mm²
- Customised from 2.00 x 3.99 to 130 x 160 mm² (max. thickness of 30 mm)
- Bundled conductors insulated up to max. 32 mm width

Round wire dimensions:

- From 0.71 - 20 mm diameter
- Other dimensions on request

Conductor materials:

- Aluminium 1370, Cu-ETP, Cu-OF, CuAg0.03
- Other alloys on request Plating with tin or silver

Insulation materials:

- Kraft paper smooth or creped (105°C)
- Polyester film (130°C)
- Mica/polyester (155°C)
- Mica/glass fabric (155°C)
- Aramid paper Nomex® 410 (180°C)
- Polyimide film (220°C)
- These materials can also be coated with baking varnish.
- Cotton tape (90°C)
- Glass fibre tape (220°C)
- Cotton yarn for braiding or wrapping (90°C)

Types of Banding

overlapping



butt joint



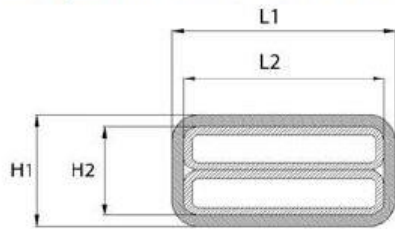
overlapping interlocking



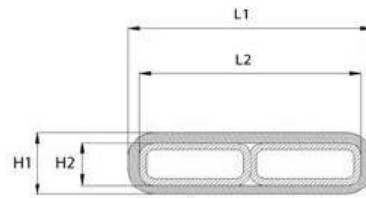
butt joint interlocking



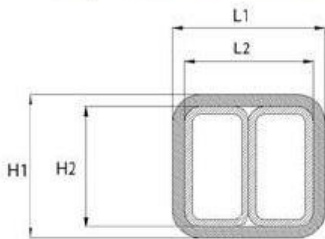
Composite broadside horizontal



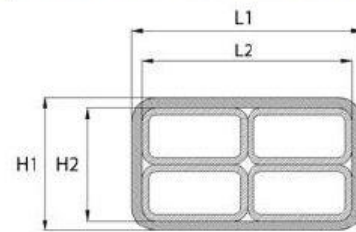
Composite narrow side vertical



Composite broadside vertical



Composite 2x2 broadside/narrow side



Pressed Litz Wires



Dimensions:

- Cross-sections up to max. 700 mm²
- Max. Profile size 40 x 25 mm
- Diameter of individual wires from 0.07 to 3.15 mm

Conductor materials:

- Metals: Al 1370, Cu-ETP, Cu-OF
- Other alloys on request

Insulating materials:

- Kraft paper smooth or creped (105°C)
- Polyester film (130°C) Mica/polyester (155°C) Mica/glass fabric (155°C) Aramid paper Nomex® 410 (180°C) Polyimide film (220°C)
- These materials can also be coated with baking varnish. Cotton tape (90°C)
- Glass fibre tape (220°C)
- Cotton yarn for braiding or wrapping (90°C)

Moulded conductors

Moulded conductors (moulded coils, rotor bars, transformer connections) can be supplied ready for installation according to your dimensional drawings.



Dimensions:

- Customised (see below)

Main features:

- Fully wound
- Extreme bending radius
- Optimised design for space requirements

Conductor materials:

- Metals: Al 1370, Cu-ETP, Cu-OF, CuAg0.03
- Other alloys on request
- Plating with tin or silver
- If required with VPI or resin rich

Insulation system:

Options:

- Min. stretched length of the parts 230 mm
- Max. stretched length of the parts 1500 mm
- Cord max. 700 mm
- Max. achievable profile 20 x 40 mm
- Angle from 0° to 120°