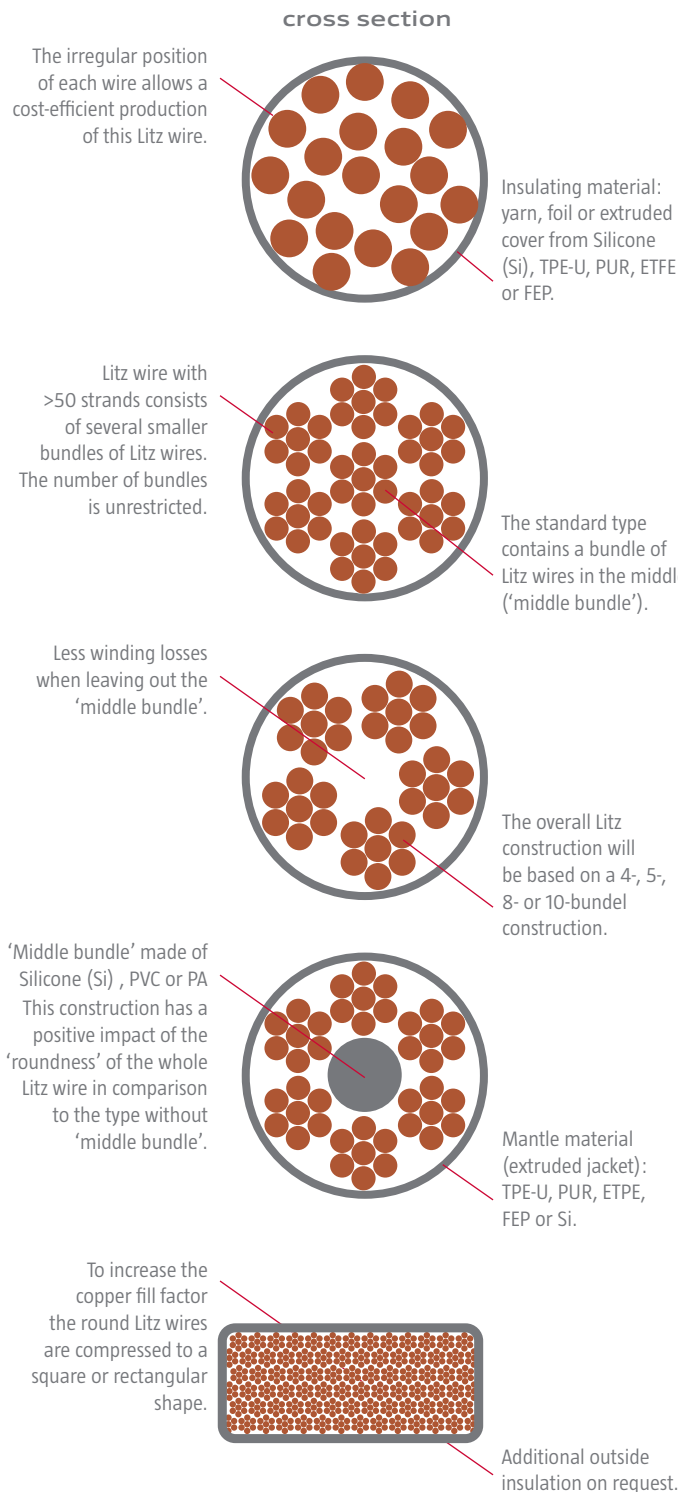


Design of RUPALIT®



Bundled Litz wire (standard)

Characteristics for a bundled Litz wire are the inordinate position of each wire inside the Litz wire. This type is often used as a basic construction for the production of twisted Litz wire.

The bundled Litz wire shows the highest flexibility in comparison to the other types.

Twisted Litz wire (standard)

The main characteristic for this type is a bundle of wires placed in the middle called 'middle bundle'. The other bundles are placed around this 'middle bundle'. The construction consists either of bundled or of twisted Litz wire (depending on the total cross section of the Litz wire and the diameter of the single wire). The selection of the twist length and twist direction gives you flexibility and less winding losses (skin- and proximity-losses).

Twisted Litz wire without 'middle bundle'

When leaving out the middle strands again winding losses will be reduced.

As the overall construction depends very much on the cross section of the whole Litz wire and on the diameter of the single wire these Litz wires are always client specific.

Twisted Litz wire with 'middle bundle'

A further option for achieving less winding losses is the construction based on a geometrical precise 'middle bundle'.

The overall diameter of the Litz wire will increase slightly. The design of the Litz wire is custom made and often in combination with an extruded outside jacket.

Profiled Litz wire

The dimensions for width (w) and height (h) are determined individually. This w/h-correlation depends very much on the overall cross section of the Litz wire and the diameter of the single wire used.

We are pleased to invite you to discuss and find out the best HF-Litz wire for your purposes in a personal discussion.