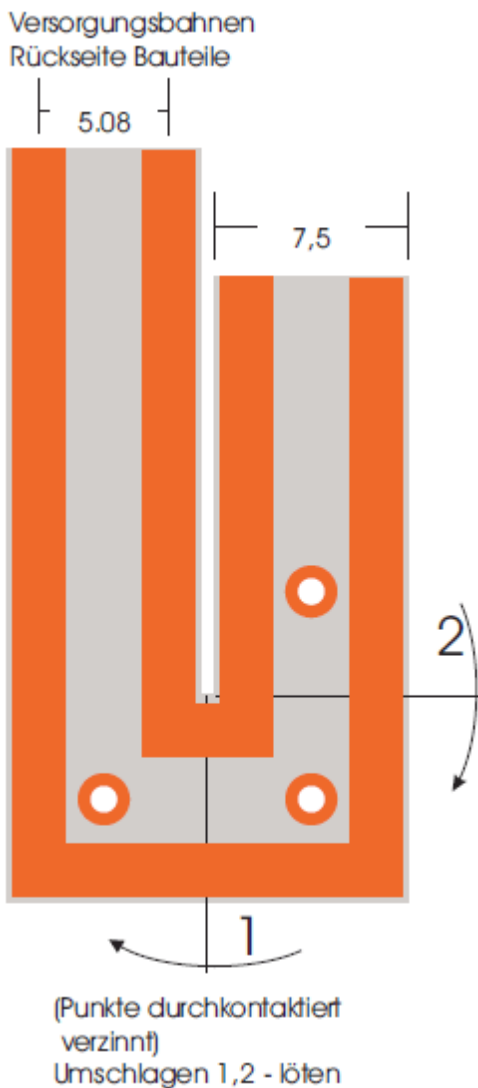


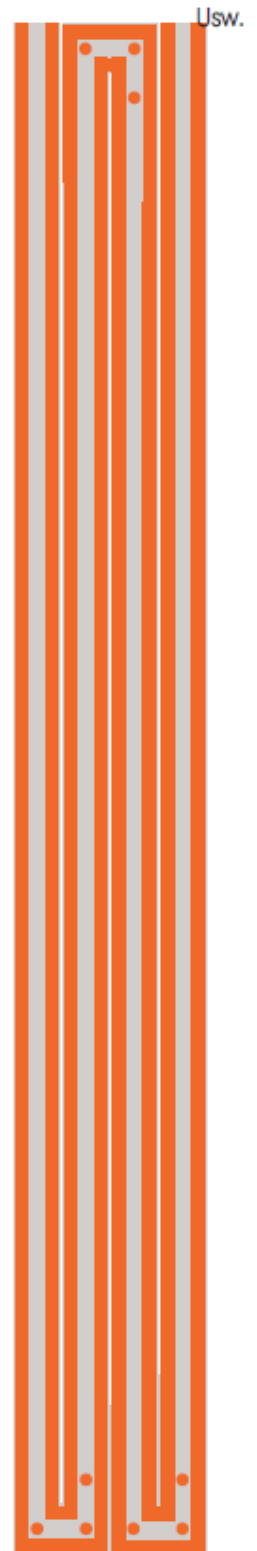
## Flexible printed circuits with excess length

A common problem for flexible circuits is restrictions in length, due to certain manufacturing requirements. Depending on the FPC manufacturer, the maximum length for standard FPC are around 500mm. A smart way to overcome these restrictions without having to pay a premium price for wheel-to-wheel FPC is to design a "FPC-snake".



Here the FPC will need 3 solder pads and drills on which the will later be fixed. After cutting the FPC it can be folded and connected by soldering or riveting. In case of riveting it may be appropriate to add stiffeners on the FPC to increase strength.

Depending on the design a excess length of several meters can be reached in this way. In the example shown a total length of 10m was accomplished.



For further information about the excess length technique please contact us.