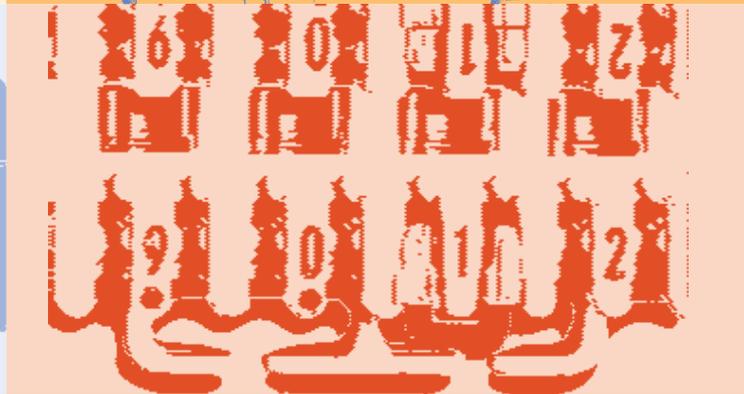
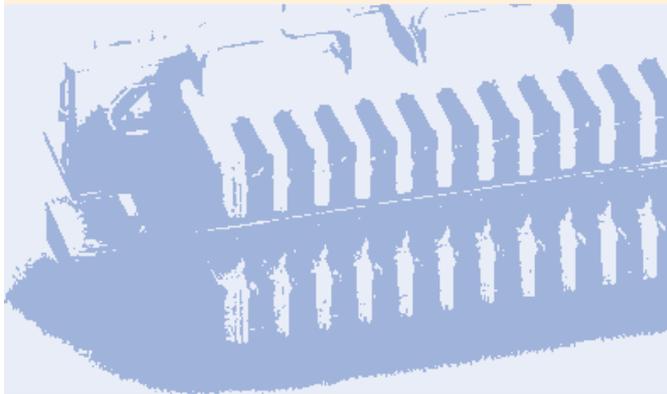
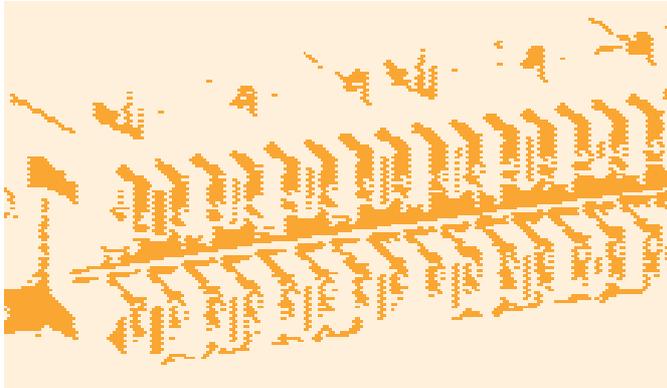




LSA-PLUS[®], Contact Technique

Overview





Overview

KRONE LSA-PLUS[®] stands for a technically and economically superior quick connection system for all modern communication networks.

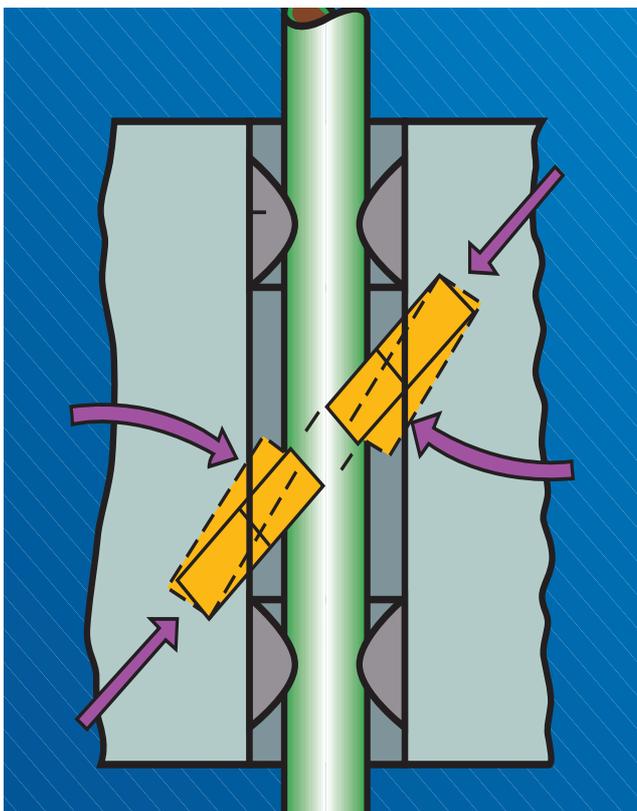
- L No solder (German: **L**ötfrei)
- S No use of screws (German: **S**chraubfrei)
- A No insulation removal (German: **A**bisolierfrei)

- P Cost effective (German: **P**reiswert)
- L Easy to use (German: **L**eicht zu handhaben)
- U Universal application (German: **U**niversell anwendbar)
- S Secure and fast (German: **S**icher und schnell)

The LSA-PLUS[®] system, with the LSA-PLUS[®] contact as its smallest functional element, is used for connecting, disconnecting, switching and earth connections in telecommunications and data applications.

The patented LSA-PLUS[®] contacts are a special feature of this system, ensuring the highest degree of contact safety under the most severe conditions even after years of use. A durable, gas-tight connection is formed between contact and wire - resistant to corrosion and mechanical stress.

These connections are attained with a single action, with an audible indication, using the LSA-PLUS[®] insertion tool.



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- 9.0 Overview
- 9.1 Introduction



LSA-PLUS[®], Contact Technique

Introduction

The KRONE LSA-PLUS[®] quick connect system

The KRONE LSA-PLUS contacts always function according to the same basic principle irrespective of the type of module used.

Using the LSA-PLUS insertion tool, the plastic-insulated copper or jumper wires (4) are pressed into the contact slot (2) between the contact jaws (3); these being arranged at a 45° angle to the axis of the wire. The contact jaws open in an axial direction while at the same time twisting, cutting through the insulation of the wires and notching the conductor at obliquely opposite points.

The twisting of the contacts with the constant torsion and return force pressures (5, 6) of the contact jaws create two durable, gas-tight contact surfaces.

The plastic clamping ribs (1), which are moulded into the guide slot of the modules, provide additional protection of the contact points against shock and tensile forces. The insulation and conductor are firmly gripped by these plastic clamping ribs preventing any movement of the connection in the contact area.

A correct connection is signalled by an audible “click” from the insertion tool.

As part of the same action, after connection, the LSA-PLUS insertion tool trims the wire to the correct length.

If the wire has to be removed, this is carried out simply using the retractable extraction hook on the LSA-PLUS insertion tool, i.e. by pulling the wire in the opposite direction to termination and re-connecting it in the new position.

Key to the diagram on the right:

- 1 Plastic clamping ribs
- 2 Contact slot
- 3 Contact jaws
- 4 Wire
- 5 Torsional forces on the contact
- 6 Return forces of the contact

