

# blue connection<sup>®</sup>

Simple. Safe. Efficient.

## blue connection<sup>®</sup> – because modern cables have narrower diameters

Modern compacted multi-stranded conductors are up to 15 percent thinner than comparable predecessors. At the same time, savings are often made on sheathing and insulation. Here, conventional tubular cable lugs and connectors usually have too much play - a considerable safety risk which has to date necessitated additional sleeves for compacted conductors.

Klaue has developed blue connection<sup>®</sup>, a special connection system for compacted multi-stranded conductors to VDE 0295 Class 2. Its copper tubular cable lugs and connectors are an exact fit for the new, thinner generation of conductors without any additional sleeves whatsoever. In combination with custom-made blue connection<sup>®</sup> crimping dies for Klaue's established tools, compacted conductors will in future also be crimped extremely simply, safely and efficiently.

### Conventional, uncompacted multi-stranded conductor

- Large cable diameters dictated by conductor construction
- Round single wires

### Compacted multi-stranded conductors to VDE 0295 Class 2

- Narrower cable diameter with the same conductor cross-section thanks to compacted single wires

### Compacted conductors with space-saving single wires



Uncompacted conductors with round single wires

Comparison between conventional cables and the new cable generation with up to 15% narrower conductor diameter

# Only blue fits exactly!



Cable lug



Crimping die



Tool

Cable lug with blue crimp info + blue crimping die + blue crimping tool = blue connection®

## Simply assign and crimp.

- ▶ Perfect fit on compacted conductors to VDE 0295 Class 2.
- ▶ Simple assignment of crimping tool/crimping die through colour-coding system.
- ▶ Existing tools with replaceable crimping dies can continue to be used with blue connection® products.

### Benefits:

- ▶ Crimping of compacted conductors without additional sleeves.
- ▶ No investment in new tools, only the crimping dies are replaced.



## New designation – Safely connected.

- ▶ Designated by manufacturer's designation, nominal cross-section and hole dimension.
- ▶ Crimping direction and number of crimps.
- ▶ Compact design with form radius.
- ▶ Tested to IEC 61238, part 1.

### Benefits:

- ▶ All information available at a glance.
- ▶ Bad crimps are avoided.
- ▶ Highly-stable and vibration-proof.

## Efficient: High productivity, low costs

- ▶ New crimp geometries reduce the number of crimps.
- ▶ The processing of sleeves for compacted conductors is eliminated.
- ▶ Up to 35% less material used thanks to the compact design.
- ▶ Smaller packing units.

### Benefits:

- ▶ Less time and lower cost expenditure when using the new cable lug system.
- ▶ Processing of sleeves for compacted conductors is eliminated.
- ▶ Lower material costs.
- ▶ Reducing storage costs through reduced material usage.

