Application example

**Compacting the end of high-flex cables**

**Task**
A high-flex cable with a 35 mm² cross-section needs to be reliably compacted at the end. In future applications, other cross-sections and other types of high-flex cable also need to be welded together as terminal and connecting nodes. The electrical contact resistance needs to be as low as possible.

**Solution**
When welding metals, ultrasonic technology guarantees the lowest possible electrical contact resistance. The TS3 Telso®Splice system can reliably compact cable ends or weld nodes with a total cross-section of 40 mm². When compacting ends or welding terminal nodes, the optional adjustable wire stop makes sure the wires are inserted to the right depth.

**Configuration advantages**
Thanks to the universal TS3 Telso®Splice wire splicing system, you can compact wires and produce terminal and connecting nodes with ease. Users can choose from a range of welding and trigger modes. The controller includes a wide array of process control options, enabling you to monitor quality. The Node Editor enables you to program all configurations with ease on the convenient touch-screen.

The application was produced on a 3.6 kW TS3 Telso®Splice wire splicing system with a wire stop.