

## Connection and Termination of Heating Tapes with Shrink Sleeves



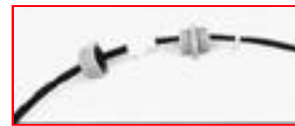
Design of heating tape



Connection and end termination kit ELVB-SRA



Recommended Tools



1. Slide on ESR cable gland.  
**Notice:** When an insulation entry kit type EL-ISD-3 is used, this must be put on first.



2. Notch the outer protection cover over 120 mm (as shown). Do not damage the protection braiding.



3. Remove the outer protection cover.



4. Push back the braiding and spread it out.



5. Pull the heating tape through the protection braiding. Then pull it straight and twist the protection braiding.



6. Notch the insulation sheath as shown, 100 mm. Do not damage the bus wires.



7. Remove the insulation sheath.



8. Incise heating element along the two bus wires. Do not damage the bus wires.



9. Uncover the bus wires and remove the heating element.



10. Shorten the bus wires 10 mm. Then push the small black shrink sleeve no.2 onto the bus wires and the green/yellow one no. 3 onto the protection braiding. Then shrink with hot-air gun.



11. Push large black shrink sleeve no. 4 over the bus wires (until it meets the protection cover) and shrink with hot-air gun. When still warm, use pointed pliers to press together between the bus wires.



12. Push small wire-pins no. 5 onto the bus wires and the yellow one no. 6 onto the protection braiding. Then squeeze with suitable tool.



13. Lead the heating tape into the junction box. Fix the cable gland and use – if necessary – a suitable check-nut. Connect heating tape to the terminals.

## End Termination



14. Remove protection sheath over a length of 40 mm without damaging the protection braiding.



15. Push back the protection braiding: remove and shorten the heating tape by 25 mm.



16. Push large black shrink sleeve no. 7 onto the insulation sheath until it touches the braiding and shrink. Squeeze shrink sleeve, as shown, when still warm.



17. Push protection braiding over the shrink sleeve and bend. Push large black shrink sleeve no. 8 over the protection braiding and approx. 15 mm over the tape and shrink. Squeeze shrink sleeve with pointed pliers when still warm.

These instructions for end termination are also applicable in **hazardous (Ex-) areas**.  
An Exe cable gland Pg 16 is included in the Ex termination kit type ELVB-SRAEx-1.  
Approval acc. to EN Exe II T6, LCIE 96.D6141X.