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## CONNECTING KIT NO. 4

Connecting kit No. 4 is used for repair-connections of **Elektra MD** heating cable by means of "cold" cable.

### General

The kit contains clip sleeves, outer and inner thermoshrinking tubes and section of "cold" cable specified in list of contents.

Before start of installation check if the length of "cold" cable is enough for full connection "A" and "B" as given in Figures 1-4.

If the length of "cold" cable is too short it is necessary to use another section of cable of the similar type. If the length of cable is too long, make sure that the first connection "A" is completed before cutting.

It is not allowed to make direct connection of two sections of heating cables (without intermediate "cold" cable).

### Connecting instruction:

#### Connection „A”

- a) Remove sheath of heating cable and „cold” cable at the length of ca. 35mm as given in Figure 1.
- b) Unbraid without damaging screen of heating cable and strand in uniform bunch as given in Figure 1.
- c) Remove insulation from conductors of heating cable and „cold” cable at the length of ca. 10mm as given in Figure 1.
- d) Put outer thermoshrinking tube at „cold” cable and inner thermoshrinking tubes at insulation as given in Figure 1.
- e) Place in the clip sleeve in the following order as given in Figure 2:
  - bare conductors of "cold" cable and conductors of heating cables
  - bare protective conductor of „cold” cable and screen of heating cable stranded in uniform bunch and next clip by special clamping press
- f) Pull inner tube on clip sleeve and shrink using heating blower or burner. When the shrink is ready wait 1 to 2 minutes as given in Figure 2.
- g) Pull outer tube on full connection and shrink evenly all around starting from the middle to the ends. Take care not to overheat the tube and cables (by overheating the tube will melt). When the shrinks is ready wait minimum 5 minutes, and then check insulation and conductors resistance of jointed section of cable as given in Figure 3.

**Connection „B”** – shall be made as connection „A” as given in Figure

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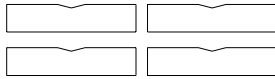
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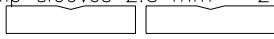
## List of contents

clip sleeves  $1.5 \text{ mm}^2$  – 4 pcs



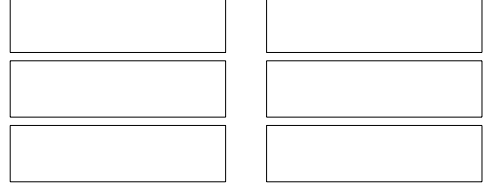
– for connection to heating conductor

clip sleeves  $2.5 \text{ mm}^2$  – 2 pcs



– for connection to stranded screen of heating cable

inner thermoshrinking tubes  $25 \text{ mm}$  – 6 pcs



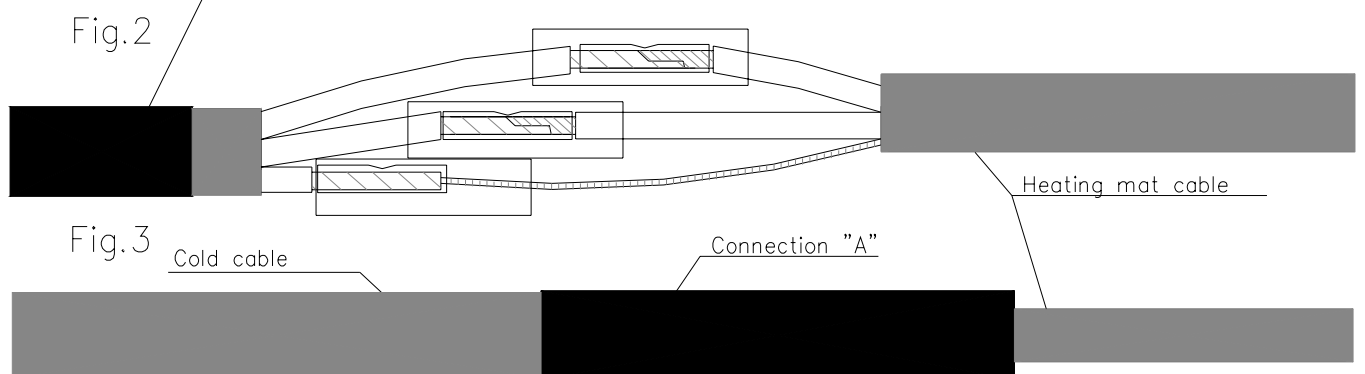
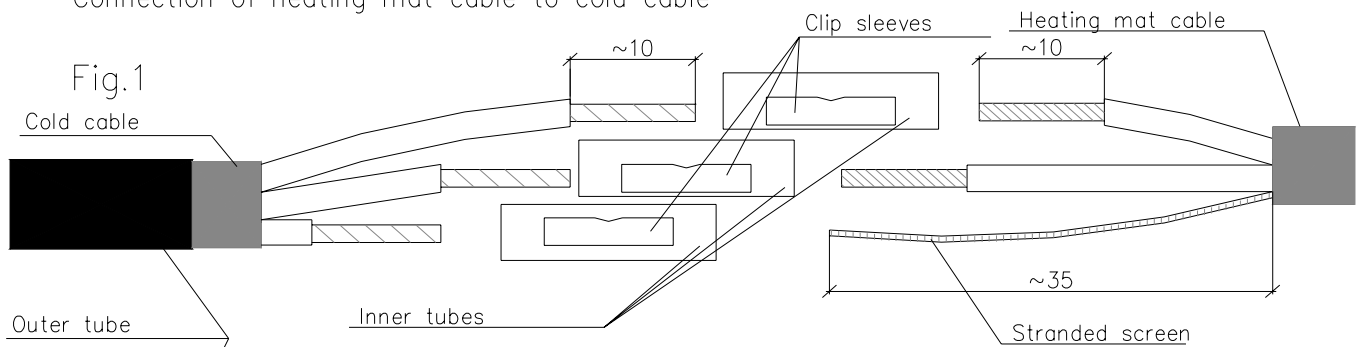
outer thermoshrinking tubes  $120 \text{ mm}$  – 2 pcs



Cold cable  $3 \times 0.75 \text{ mm}^2$  – 500mm



## Connection of heating mat cable to cold cable



## Fig.4 Connections "A" and "B"

