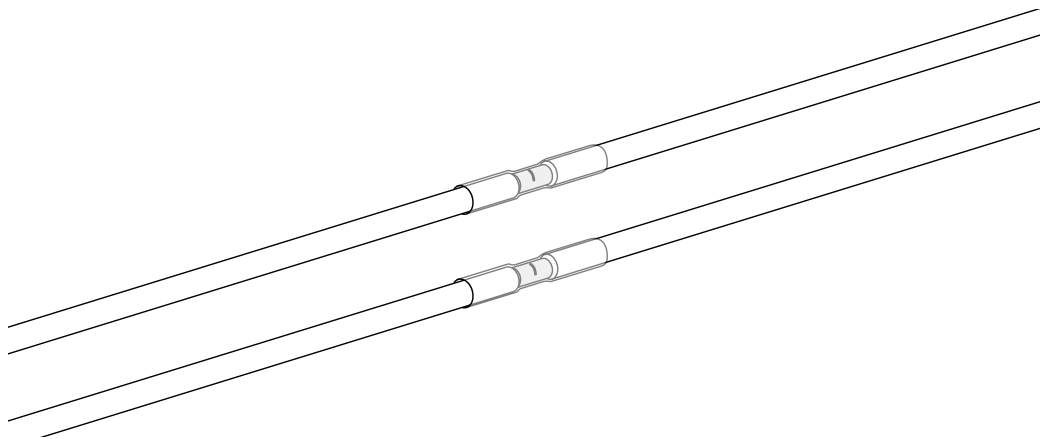


ASSEMBLY INSTRUCTIONS



ELVB-22

Connection-Set for single core heating cable
ELKM-A
with 1.5mm² single core cold supply lead /
supply cable 3x1.5mm²

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IMPORTANT INFORMATION

- RETAIN FOR LATER USE



For proper and safe use of the ELVB-30-1A connection sets, please follow these instructions. Please keep these instructions for future reference (e.g. in the system documentation).

- FOR DISPOSAL



The WEEE logo indicates that this product must not be disposed of with residential waste. Further information about disposal and recycling of old electrical and electronic devices and where to find collection points is available from your local disposal company or from the manufacturer from which you bought the product.



ATTENTION

Refers to a potentially dangerous situation. If it is not prevented, there is a risk of damage or malfunction.



DANGER

Refers to an extremely dangerous situation. If it is not prevented there is risk of death or at least a high risk of serious injuries.



NOTE

Important information and instructions for safe, effective and environmentally compatible usage.



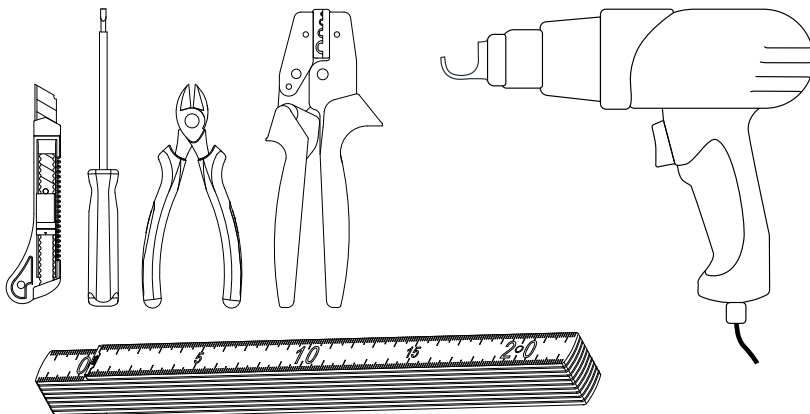
WARNING

Refers to a dangerous situation. If it is not prevented there is risk of injury or at least a high risk of material damage.

Proviso
We reserve the right to make technical changes. Changes, errors or misprints shall not form the basis for any claim to compensation for damages. Comply with the applicable and currently valid standards and regulations for safety-related components and systems.

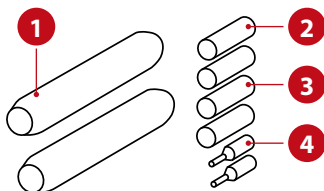
eltherm GmbH Ernst-Heinkel-Str. 6-10 57299 Burbach T.: +49 2736 4413-0 F.: +49 2736 4413-50 info@eltherm.com	Document: 8643040911048		Assembly instruction ELVB-22	
	Author:	Detlef Matthes	Date:	20.12.2023
	Revision: 01	Detlef Matthes	Date:	30.01.2024

RECOMMENDED TOOLS



CONTENTS OF CONNECTION SET

ELVB22 (art. no. 0911048, for use with ELKM-A)



Nº.	Type	Units
1	PTFE-FEP shrink tube Ø = 4,0 mm; l = 32 mm; transparent	2 Units
2	Nickel sleeve 4.0 x 0.4 x 9.0 mm; blank (ELKM-A 4,4 Ohm/km)	2 Units
3	Nickel sleeve 3.2 x 0.4 x 9.0 mm; blank (ELKM-A from 7,2 Ohm/km)	2 Units
4	Wire end ferrules 1,5 mm ² ; black	2 Units



ATTENTION

- Work may only be performed by authorised and qualified specialists!
- After work is complete, check the resistance and insulation resistance!
- Use a suitable tool for crimp connector to crimp the nickel sleeves (for example Stocko WZ100 with insert E66 and Klauke EK 35/4).



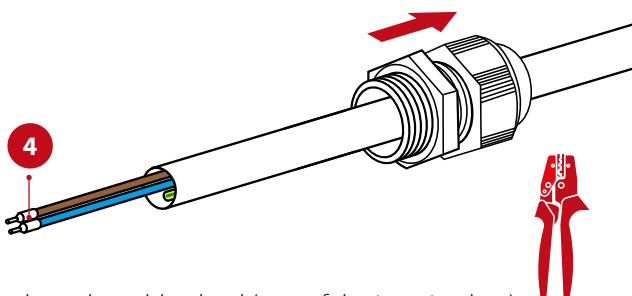
WARNING

Heat the shrink tubing to 400°C up to 450°C for optimum shrinking results. Avoid temperatures over 500°C: Danger of damage to the outer jacket of the heating cable! We recommend using an adjustable heat gun with baffle plate! Determine a suitable temperature setting of the heat gun by trial and error!

PREPARATION

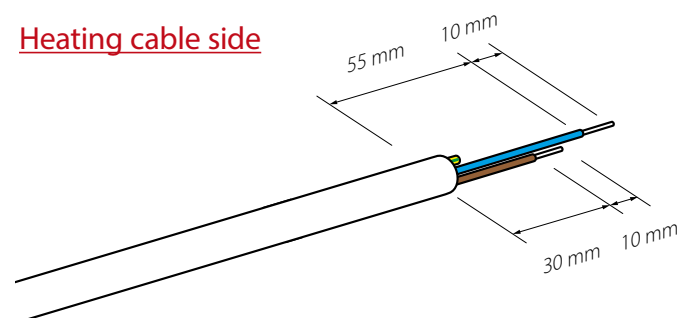
Preparation of power cable 3x1.5mm²

Junction box side



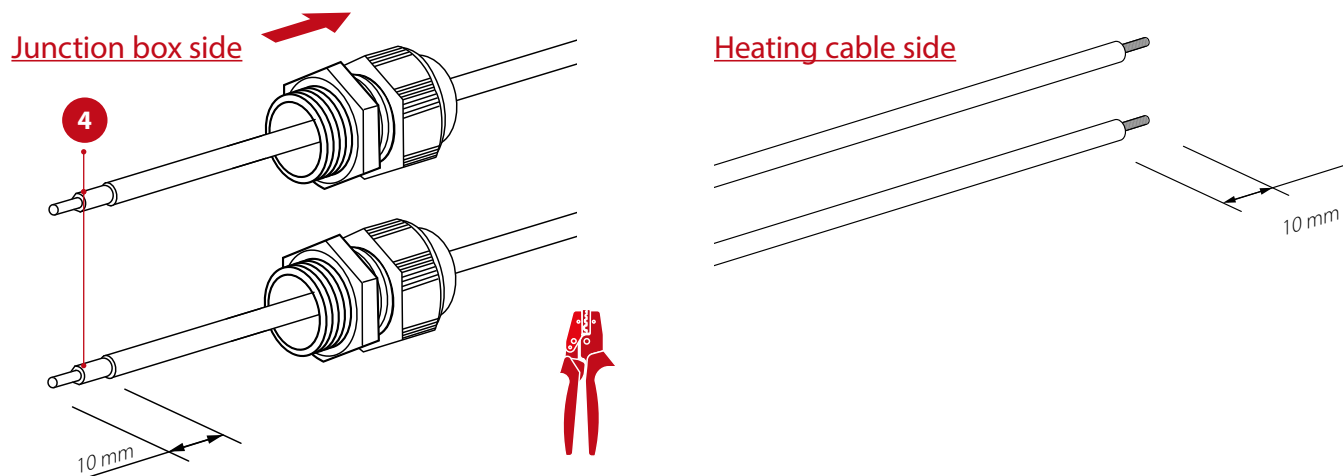
Push on the cable gland (part of the junction box).
Remove gr/ye wire from both supply cable.
Fit the wire end ferrules and crimp.

Heating cable side



Remove gr/ye wire from both supply cable.
Shorten the wire.

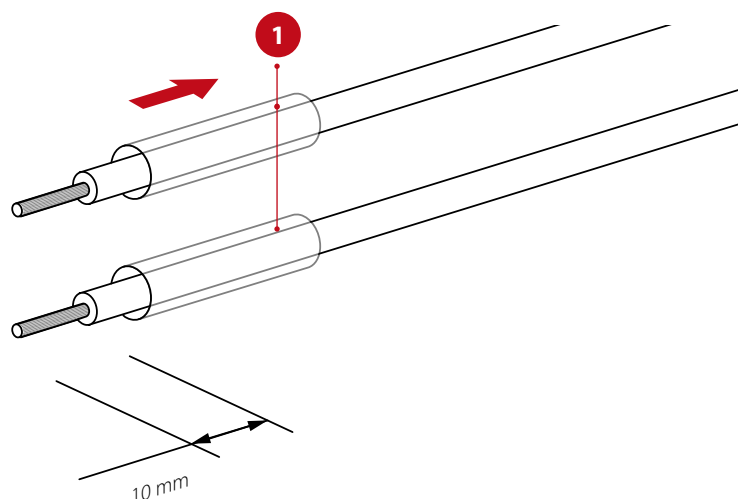
Preparation cold cable (2x)



Push on the cable gland (part of the junction box).
Remove 10 mm insulation, fit the wire end ferrules and crimp.

Remove 10 mm insulation

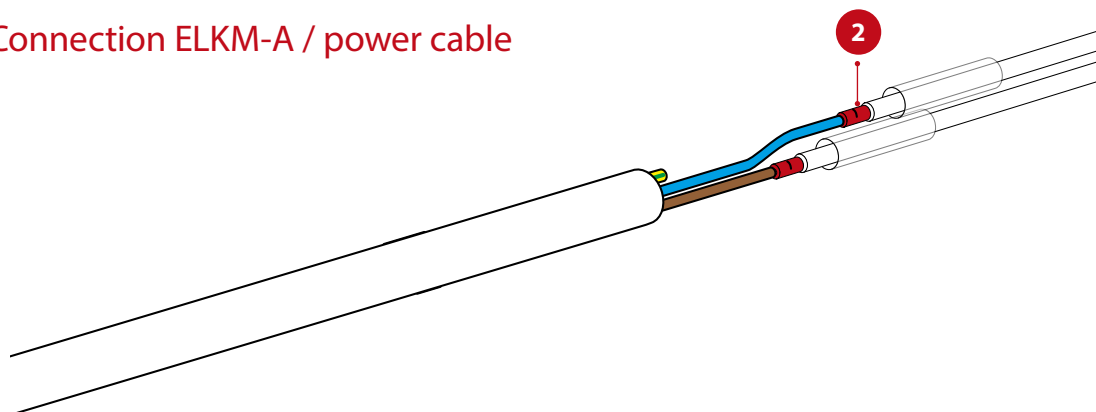
Preparation Heating cable (on both sides of the heating cable)



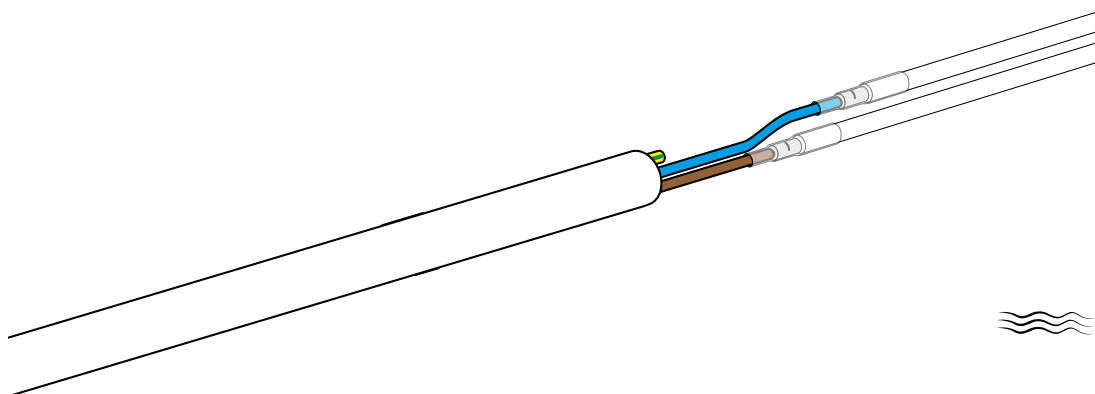
Expose 10 mm of supply cable, slide the shrink tubing (1).

CONNECTION

Connection ELKM-A / power cable

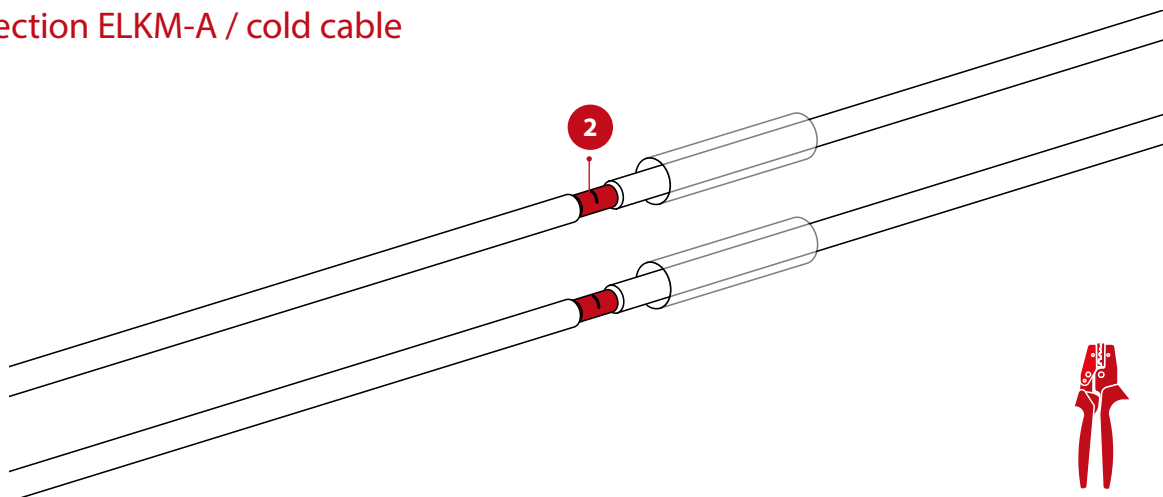


Insert the ends of the heating cable and the ends of the power cable into nickel sleeves (2) and crimp.

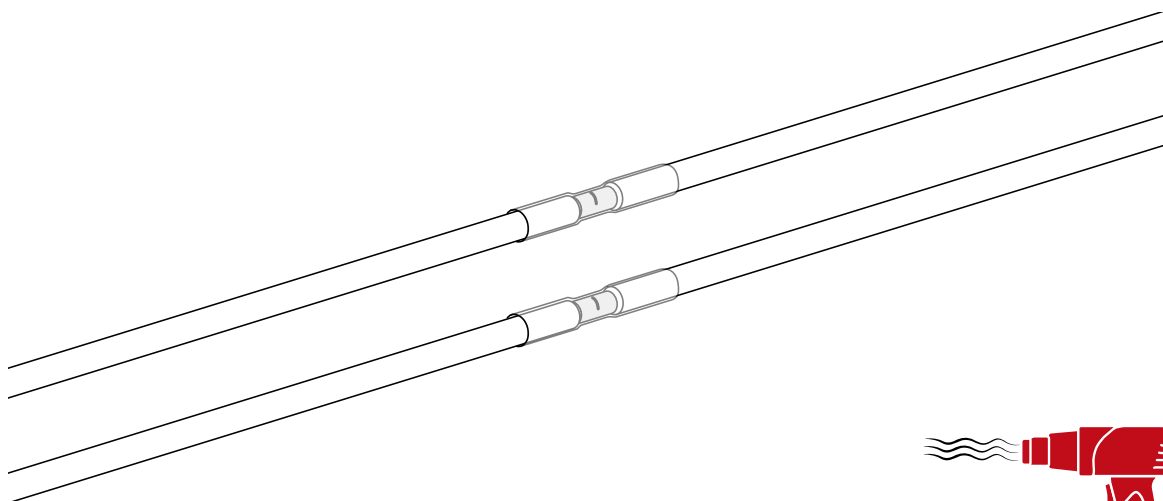


Slide the heat-shrink tubing (1) onto the centre of the crimp connection and shrink.

Connection ELKM-A / cold cable



Insert the ends of the heating cable and the ends of the cold cable into nickel sleeves (2) and crimp.



Slide the heat-shrink tubing (1) onto the centre of the crimp connection and shrink.



This document can also be found on the eltherm website.
Visit our download area.



eltherm GmbH
Ernst-Heinkel-Straße 6-10
57299 Burbach, Germany

T.: +49 2736 4413-0
F.: +49 2736 4413-50
info@eltherm.com