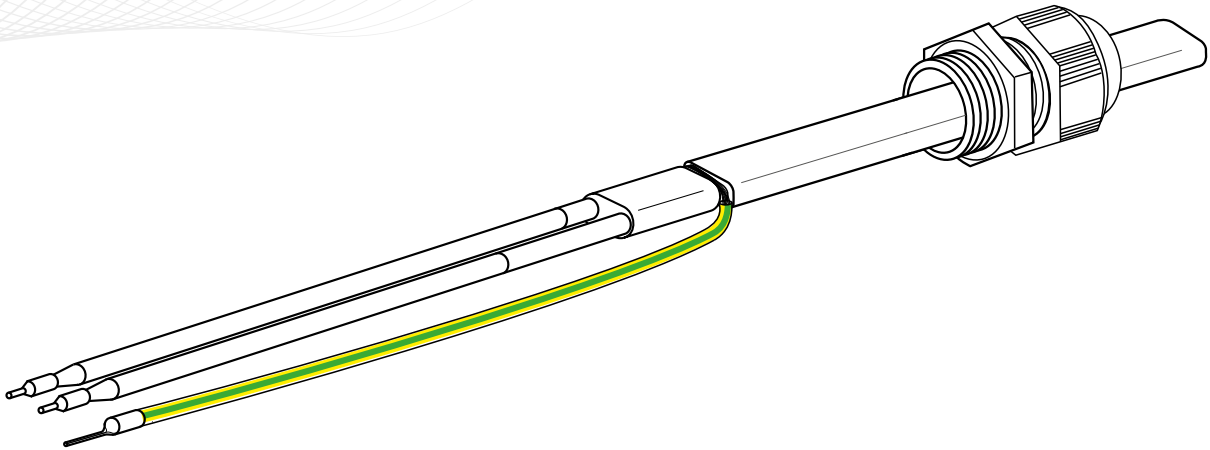


ASSEMBLY INSTRUCTIONS



ELVB-ELPEx-25 ELVB-ELPEx-20

Power connection set with cable gland
for ELP/PFA-Ex

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IMPORTANT INFORMATION

- RETAIN FOR LATER USE



Please follow these instructions for proper and safe use of the ELVB-ELPEX and ELVB-ELPEX-20 power connection sets. Please retain these instructions for later reference purposes (for example 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

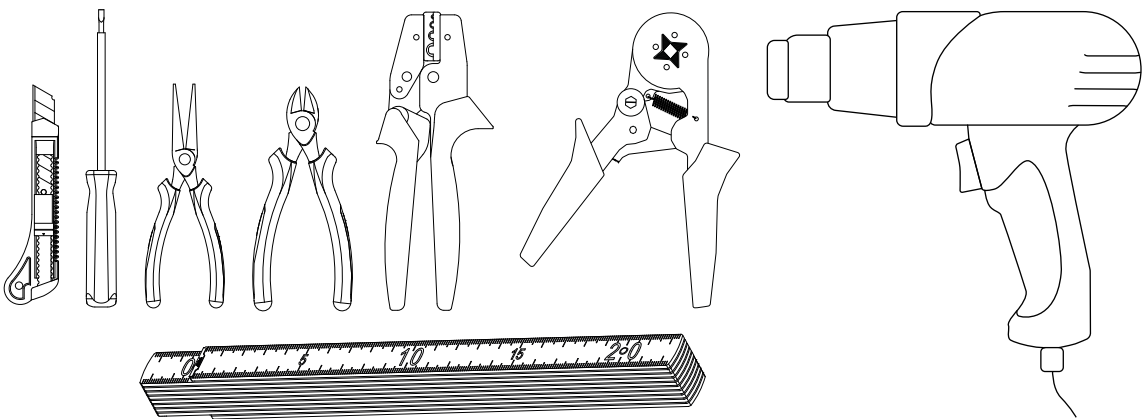
Refers to a dangerous situation. If it is not prevented there is risk of injury or at least a high risk of material damage.

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: 8643050X81PPX		Assembly instructions ELVB-ELPEX-25 & ELVB-ELPEX-20 for ELP/PFA-Ex	
	Author:	Peter Schmidt	Date:	24.03.2014
	Revision: 03	Julian Engel	Date:	13.06.2024

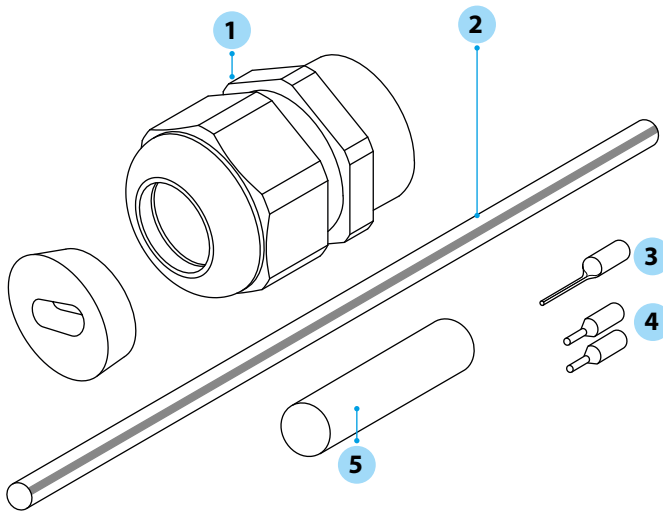
RECOMMENDED TOOLS



CONTENTS OF POWER CONNECTION SET

ELVB-ELPEX-25 (Article no. 0X81PA2)

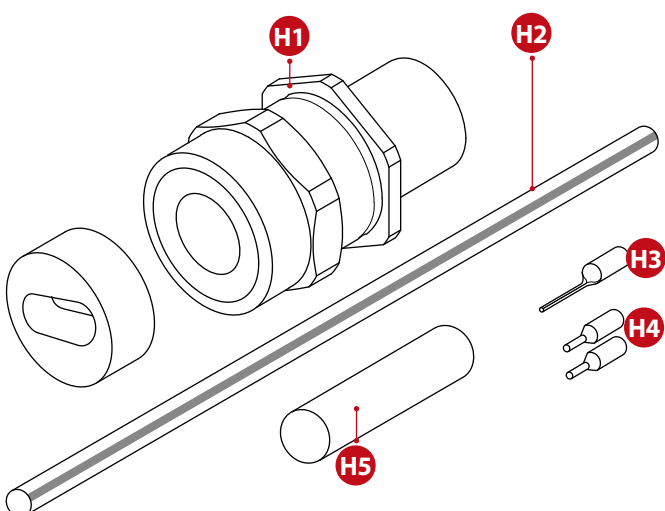
Suitable for use with ELP/PFA



No.	Type	Quantity
H1	Cable gland M25 x 1,5; polyamide	1 unit
H2	Shrink tubing Øi=3/16" (4.8 mm); 7" (180 mm); gn/ye	1 unit
H3	Terminal pin 4-6 mm²; E-Cu electrogalvanised	1 unit
H4	Wire end ferrules 1.5 mm²; black	2 units
H5	Silicone sleeve Ø4/6	1 unit

ELVB-ELPEX-20 (Article no. 0X81PPD)

Suitable for use with ELP/PFA



No.	Type	Quantity
H1	Cable gland M20 x 1,5; brass	1 unit
H2	Shrink tubing Øi=3/16" (4.8 mm); 7" (180 mm); gn/ye	1 unit
H3	Terminal pin 4-6 mm²; E-Cu electrogalvanised	1 unit
H4	Wire end ferrules 1.5 mm²; black	2 units
H5	Silicone sleeve Ø4/6	1 unit

 **NOTE**

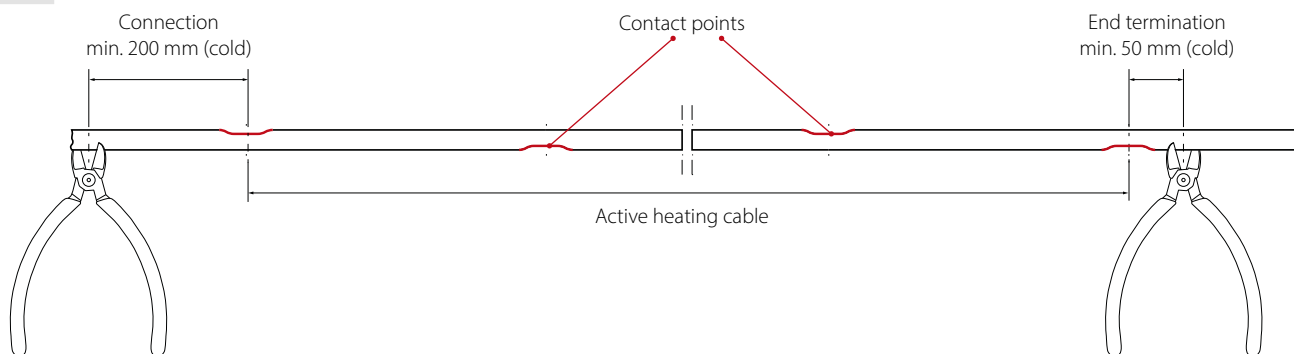
This set does not include an end termination. If an end termination is needed, it must be ordered separately.

 **ATTENTION**

- Work may only be performed by authorised and qualified personnel!
- After work is complete, check the insulation resistance (min. 500VDC, recommended 2500VDC, min. 20 MOhms) and measure heater resistance!
- Make sure to use appropriate tools for connections of wires and end sleeves!

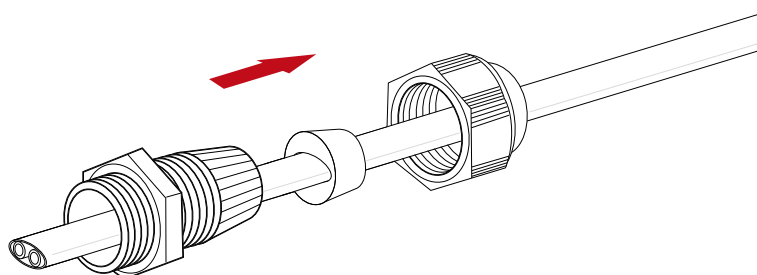
PREPARATION & ASSEMBLY

1.



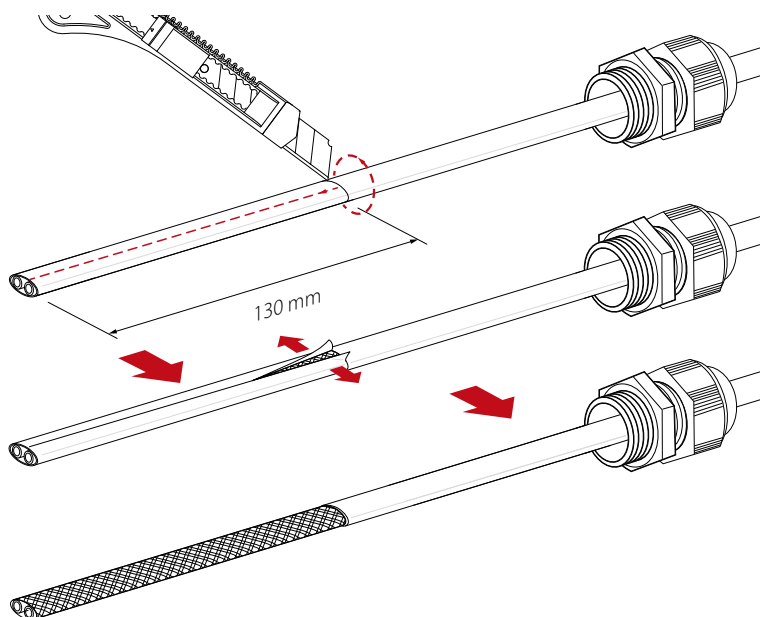
Cut the heating cable ELP

2.



Slide on cable gland. It will not be possible to slide it on later.

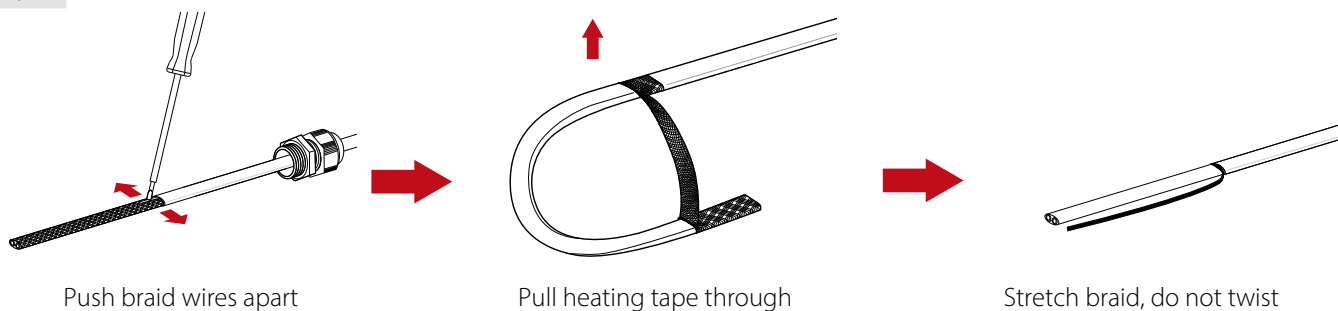
3.



! ATTENTION
Do not damage the protective braid!

Remove outer jacket

4.

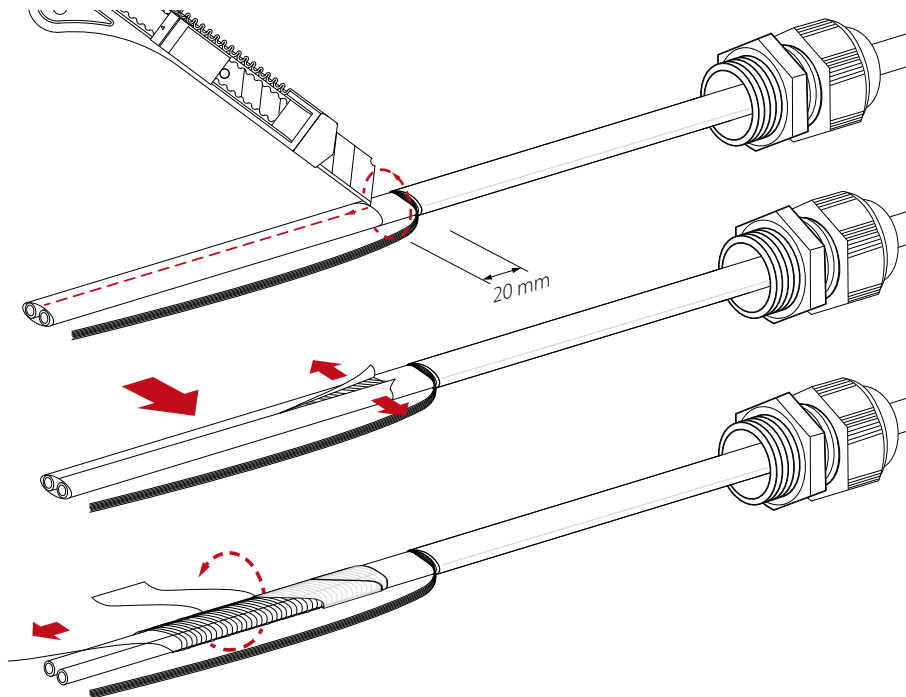


Push braid wires apart

Pull heating tape through

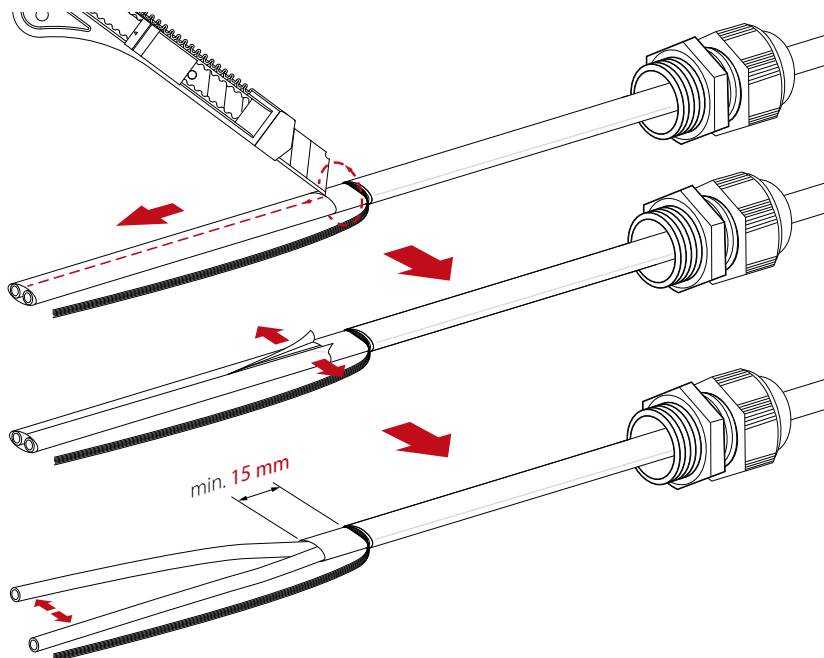
Stretch braid, do not twist

5.



Remove inner insulation and white foil, unwind and cut heater wire.

6.



Expose and separate the supply conductors.



DANGER

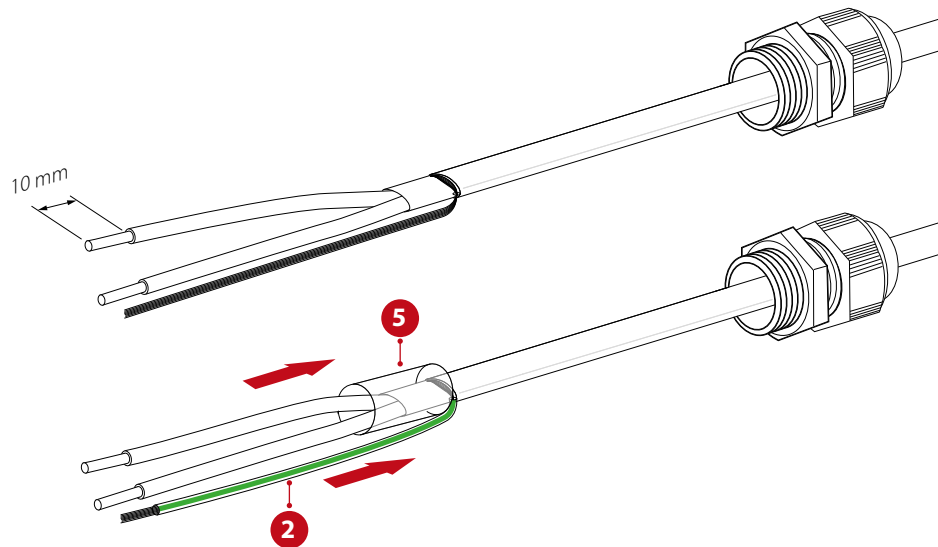
The 15 mm must be kept as **minimum creeping distance!**



ATTENTION

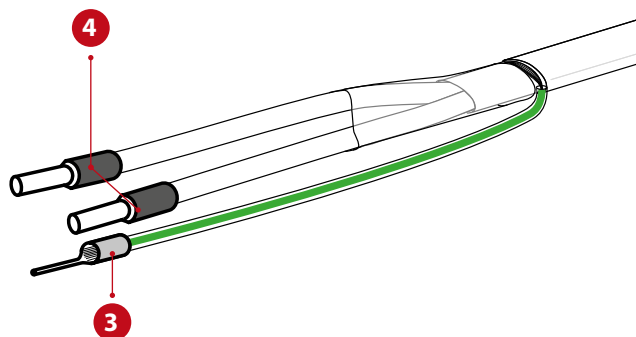
- Make sure not to damage the insulation of the separated bus wires.
- Keep heater wire away from protection braid!

7.



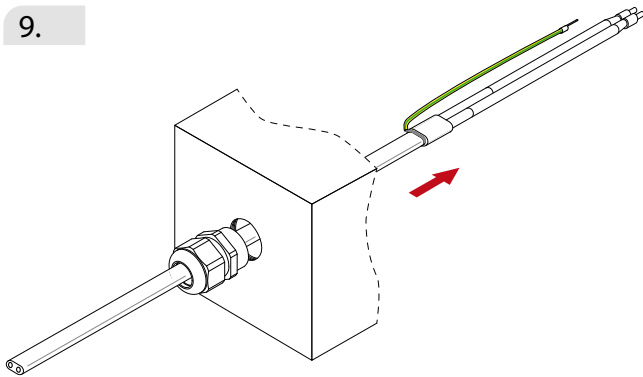
Remove 10 mm of insulation from the supply conductor. Push the heat-shrink tubing gn/ye (2) and silicone sleeve (5) up to the braid.

8.

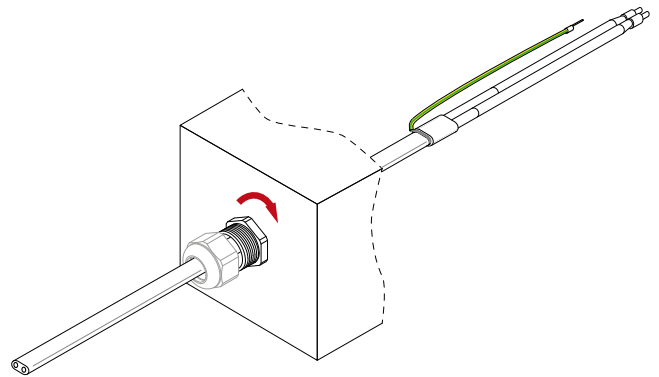


Push the wire end ferrules onto the supply conductors, push the terminal pin onto the braid and crimp with a suitable tool according to the cable cross-section and the respective end pins.

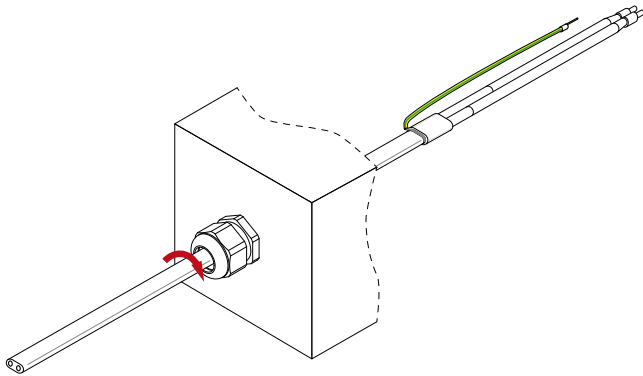
9.



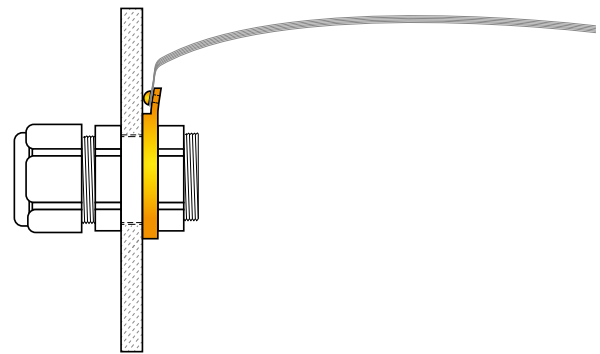
1. Insert the fully assembled heating cable into the housing.



2. Screw the bottom part of the cable gland into the housing.



3. Set the seal in place and tighten the cable gland.



For installation of metal cable glands in plastic housing:
Earth the cable gland with an earthing kit!



WARNING

In the hazardous area always follow the instructions for the cable gland. These instructions also contain important information for safe use!



NOTE

This set does not include an earthing kit. If an earthing kit is needed, it must be ordered separately.

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