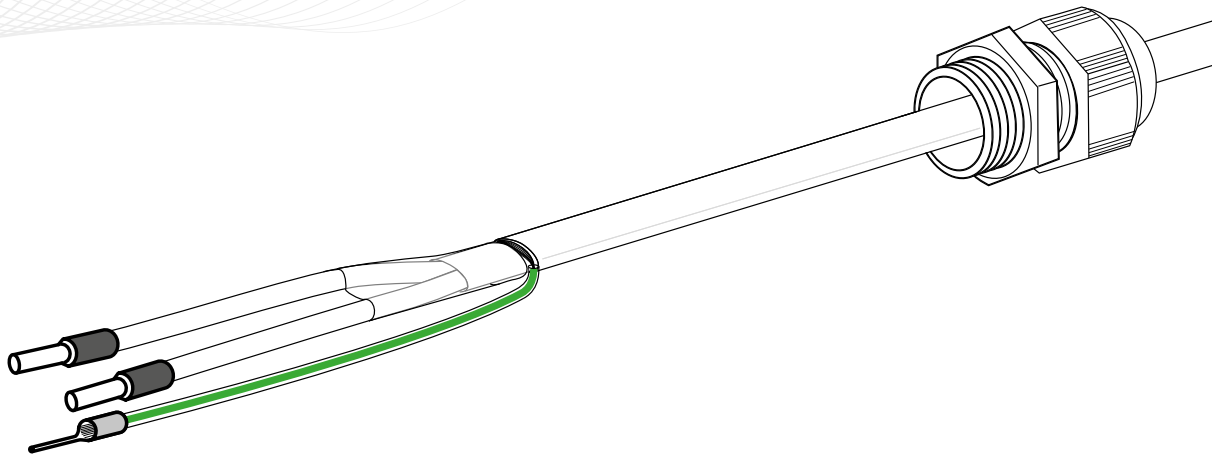


ASSEMBLY INSTRUCTIONS



ELVB-ELPA-25

Power connection set for ELP/PFA, ELP/FEP & ELP/Si

CONTENTS

Topic	Page
Recommended tools	4
Contents of connection set	4
1.1 ELVB-ELPA1-25 (suitable for use with ELP/PFA & ELP/FEP)	4
1.2 ELVB-ELPA2-25 (suitable for use with ELP/SI)	4
Preparation & assembly	5
ELP cut to size	5
Remove outer jacket	5
Remove inner insulation	6
Expose supply conductors	6
Shrink tubing	7
Crimp wire end ferrules	8

IMPORTANT INFORMATION

- RETAIN FOR LATER USE



Please follow these instructions for proper and safe use of the ELVB-ELPA1-25 and ELVB-ELPA2-25 initial 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

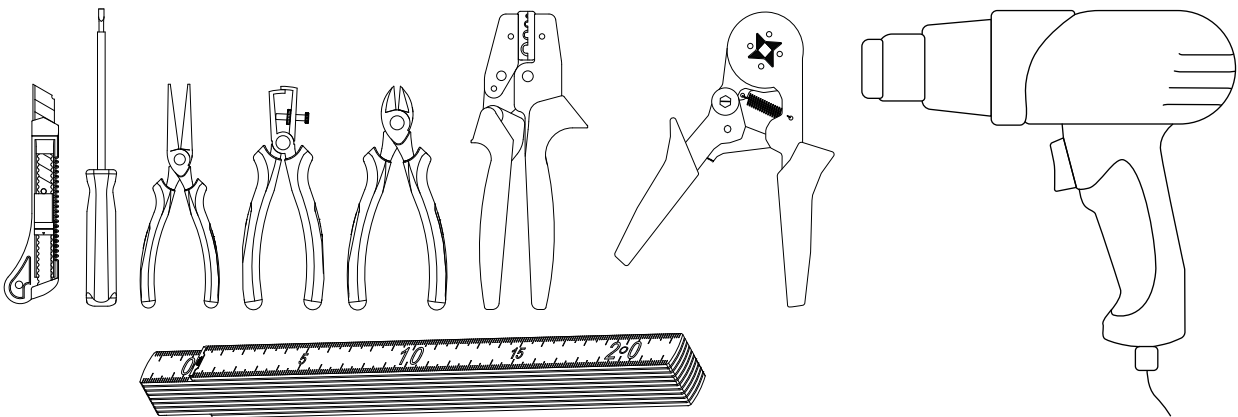
Refers to a dangerous situation. If it is not prevented there is risk of injury or at least a high risk of material damage.

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.

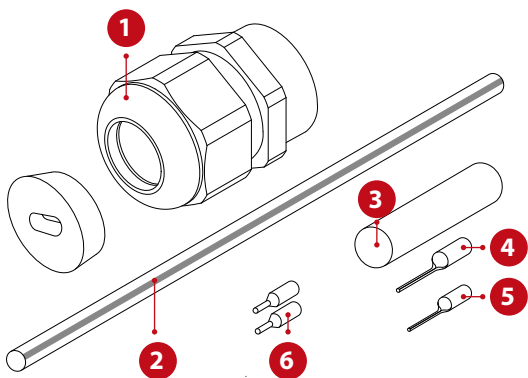
eltherm GmbH Ernst-Heinkel-Str. 6-10 57299 Burbach T.: +49 2736 4413-0 F.: +49 2736 4413-50 info@eltherm.com	Document: 864304091A05X		Assembly instructions ELVB-ELPA-25	
	Author:	Peter Schmidt	Date:	31.03.2014
	Revision: 07	Julian Engel	Date:	13.06.2024

RECOMMENDED TOOLS



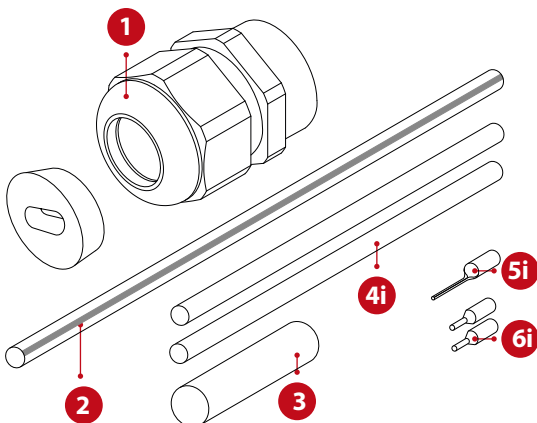
CONTENTS OF CONNECTION SET

1.1 ELVB-ELPA1-25 (article no. 091A050, suitable for use with ELP/PFA & ELP/FEP)



N°	Type	Quantity
1	Cable gland M25 x 1,5; Polyamid, grey	1 unit
2	Shrink tubing Ø = 3/16" (4,8 mm); 120 mm l; gn/ye	1 unit
3	Silicone tube Ø = 3/8" (9,5 mm); 35 mm l; black	1 unit
4	Pin terminal lug 4-6 mm²; E-Cu galvanic tinned	1 unit
5	Pin terminal lug 1,5-2,5 mm²; E-Cu galvanic tinned	1 unit
6	Wire end ferrules 1,5 mm²; black	2 units

1.2 ELVB-ELPA2-25 (article no. 091A052, suitable for use with ELP/Si)



N°	Type	Quantity
1	Cable gland M25 x 1,5; Polyamid, grey	1 unit
2	Shrink tubing Ø = 3/16" (4,8 mm); 120 mm l; gn/ye	1 unit
3	Silicone tube Ø = 3/8" (9,5 mm); 35 mm l; black	1 unit
4i	Shrink tubing Ø = 1/8" (3,2 mm); 100 mm l, black	2 units
5i	Pin terminal lug 4-6 mm²; E-Cu galvanic tinned	1 unit
6i	Wire end ferrules 1,5 mm²; black	2 units



ATTENTION

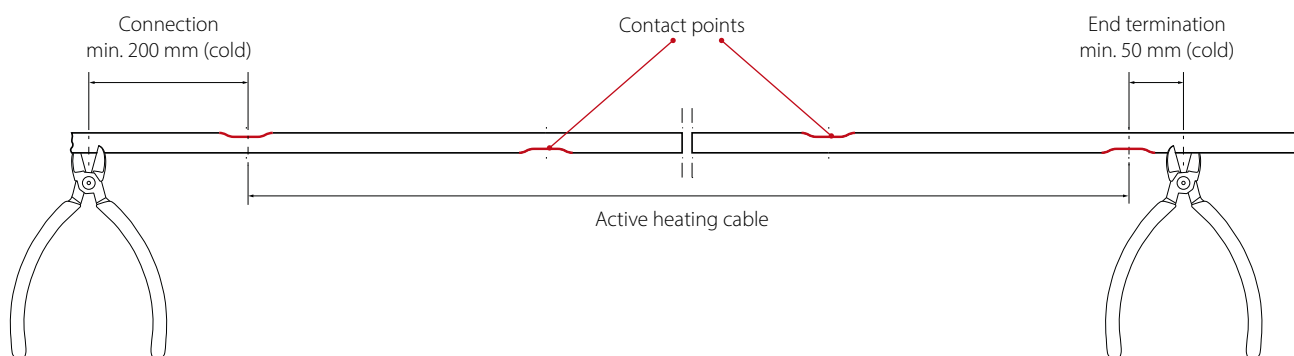
- Work may only be performed by authorised and qualified specialists!
- Make sure that glue is emerging the shrink sleeves while shrinking!
- After work is complete, check the insulation resistance (min. 500VDC, recommended 2500VDC, min. 20 Mohms)!
- Crimp the nickel sleeves and terminal pins with a suitable tool (e.g. Stocko WZ100 with insert E66 or similar).



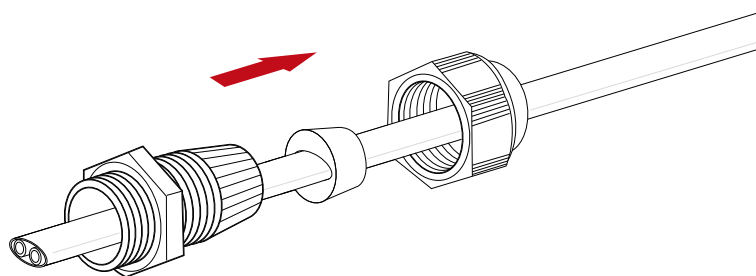
NOTE

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

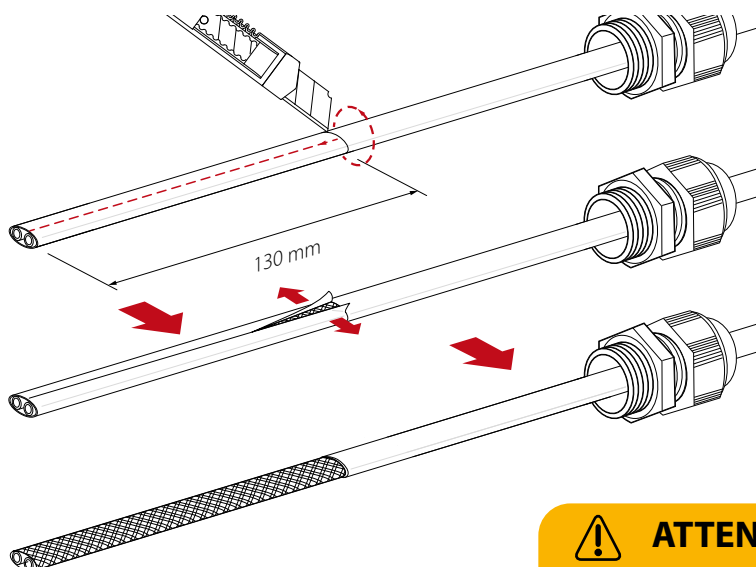
PREPARATION & ASSEMBLY



Cut the heating cable ELP



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

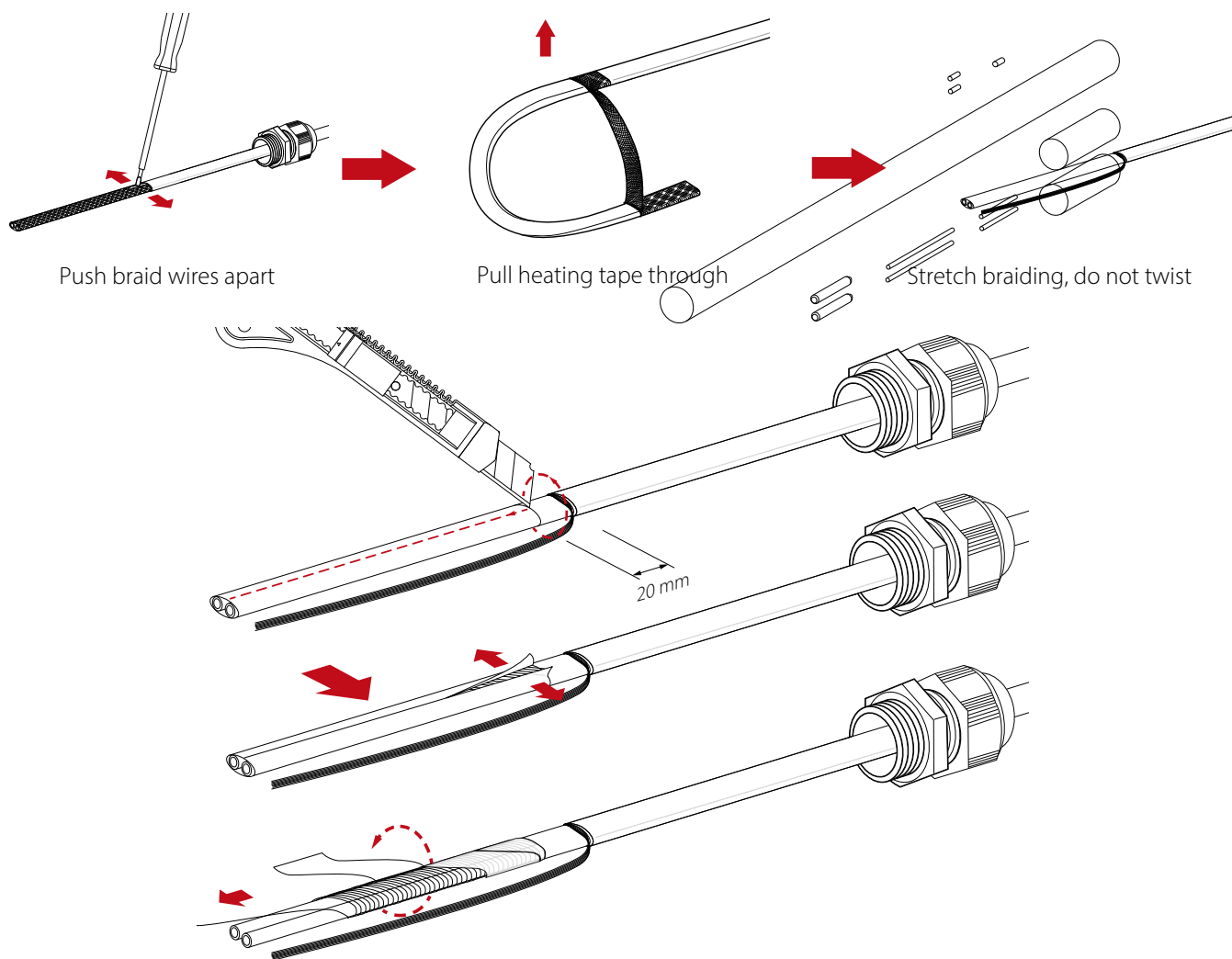


Remove outer jacket



ATTENTION

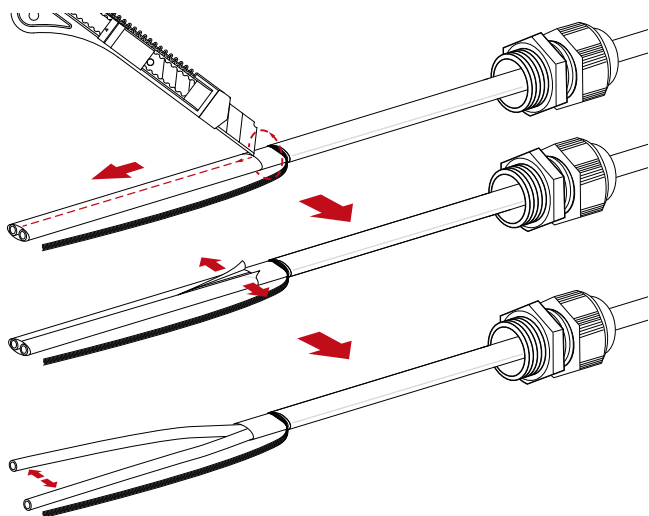
Do not damage the protective braid



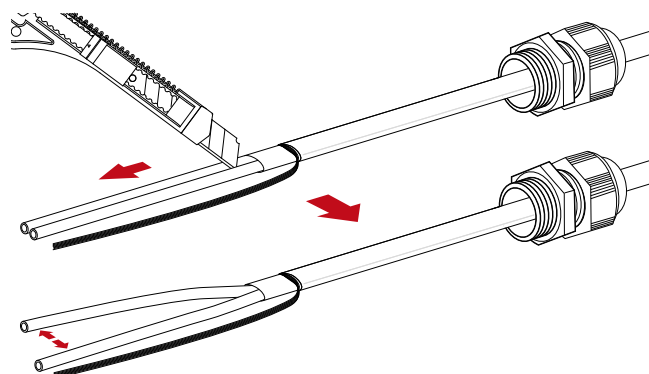
Remove inner insulation, unwind and cut heater wire and white foil (ELP/PFA and ELP/FEP only).

ELP/PFA

ELP/SI



Expose and separate the supply conductors.



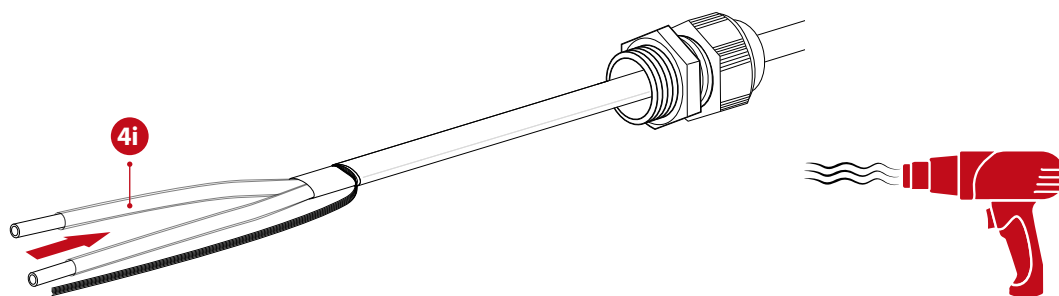
Separate the supply conductors.



ATTENTION

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

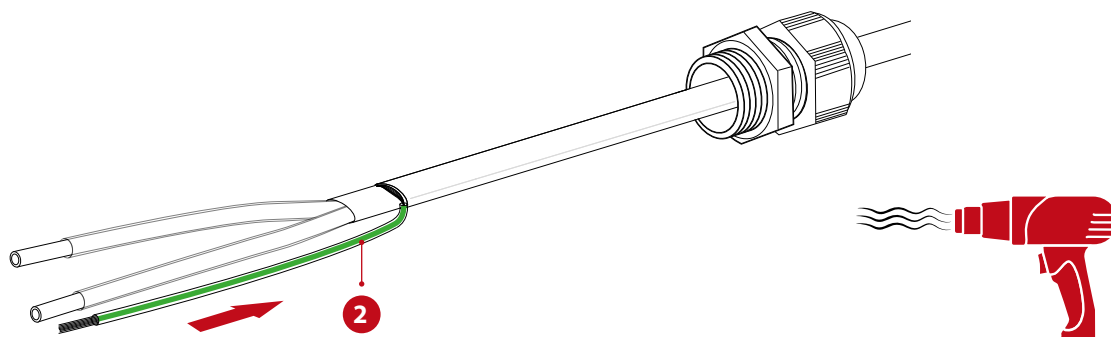
ELP/SI



ELP/SI only - slide the heat-shrink tubing (4i) on completely and shrink at 150°C.

ELP/PFA

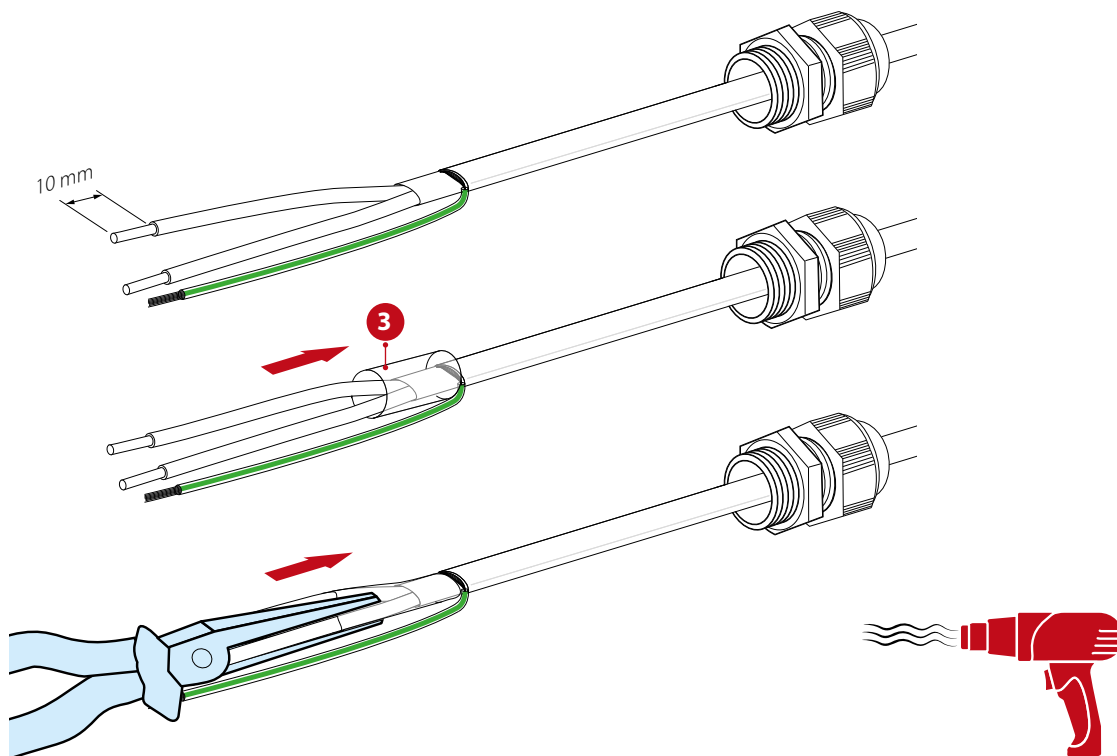
ELP/SI



Slide the heat-shrink tubing (gn/ye) on completely and shrink at 150°C.

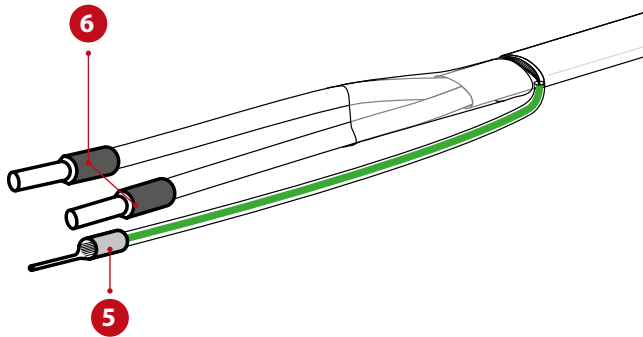
ELP/PFA

ELP/SI

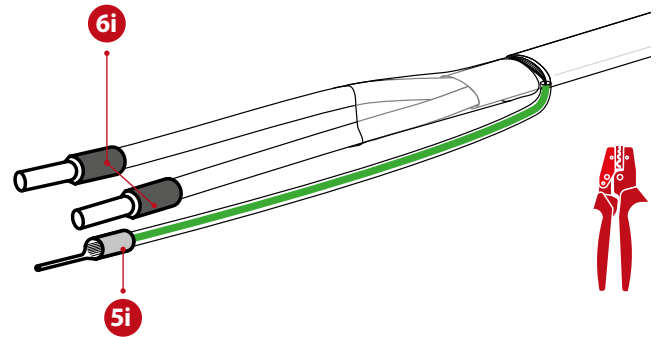


Remove 10 mm of insulation from the supply conductor. Push the heat-shrink tubing (3) up to the braid and shrink at 150°C and press with long-nose-pliers while still warm.

ELP/PFA



ELP/SI



Push the wire end ferrules onto the supply conductors, push the pin terminal lug onto the braid and crimp using a suitable tool.



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