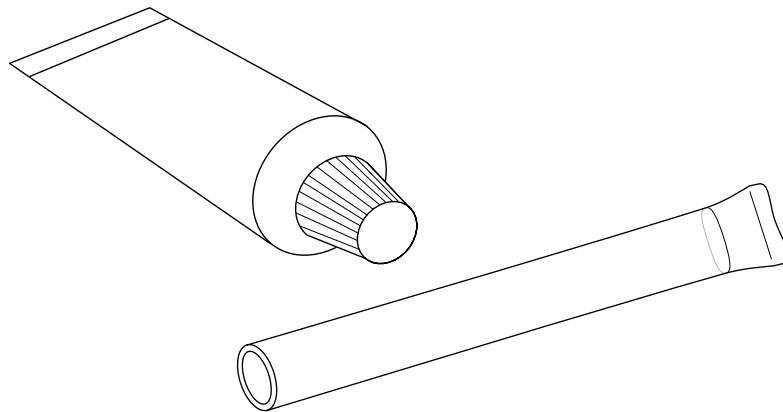


ASSEMBLY INSTRUCTIONS



EL-ECP

End termination set of
parallel trace heaters ELP/PFA
for use in ordinary and hazardous areas

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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 Canada Inc. 1155 Appleby Line, Unit E7 Burlington ON L7L 5H9 Canada P.: +1 (289) 812-6631 1 F.: +1 (844) 325-6750 info@eltherm.com	Document: 86430409CA025		Assembly instructions EL-ECP	
	Author:	Peter Schmidt	Datum:	28.11.2024
	Revision: 0	Jonas Schmidt	Datum:	28.11.2024

IMPORTANT NOTES AND SAFETY INFORMATION



WARNING

Installation and connections must be made in compliance with NEC, CEC and local wiring regulations and electrical codes.

Component approvals and performance ratings are based on the use of approved eltherm parts and accessories only. Assembly to be performed by properly trained and qualified personnel.

- RETAIN FOR LATER USE



For orderly and safe use of the EL-ECP end termination sets, please follow these instructions. Please retain these instructions for later reference purposes (for example in the system documentation).

General display conventions

Particularly important points in these instructions are indicated by the following symbols:



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.

PACKAGING LABEL

EL-ECP [09CA025]



eltherm GmbH End Termination Kit EL-ECP

Item-Nº.: 09CA025 <yyyy-MM-dd>

max. 600V, max. 40W/m, max. 40A, max. 250°C/482°F

Zone 1 AEx 60079-30-1 IIC Gb / Ex 60079-30-1 IIC Gb

Zone 21 AEx 60079-30-1 IIIC Db / Ex 60079-30-1 IIIC Db

Class I Div 1 Grp A,B,C,D Class I Div 2 Grp A,B,C,D

Class II Div 1 Grp E,F,G / Class III Div 1

DEKRA 24CAUS 40-144991

Use with eltherm ELP/PFA heaters only.

Refer to installation instructions.

Trace heater set -WS min. installation Temperature -60 °C / -76 °F



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CAUTION: for industrial use only
ATTENTION: pour usage industriel seulement

864A0709CA025 Packaging label EL-ECP

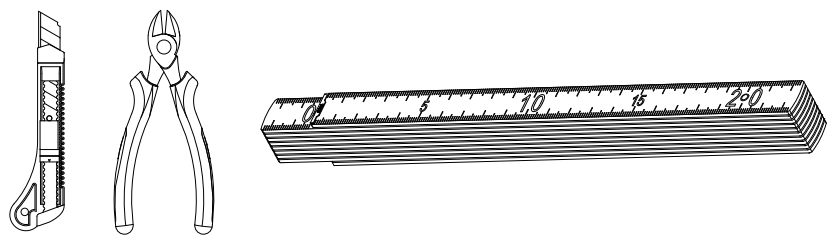
APPLICATION

The end cap EL-ECP is used for the end termination of eltherm parallel trace heater type ELP/PFA

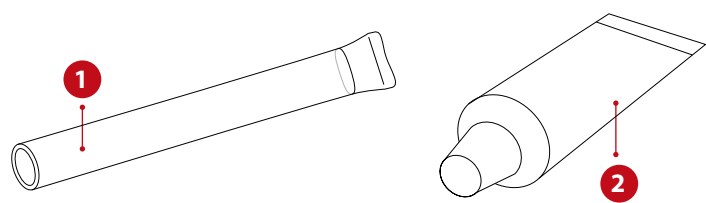
Assembly instructions are provided in the following pages.

Special care should be taken with appropriate creeping distances and integrity of the end cap.

RECOMMENDED TOOLS



CONTENTS OF END TERMINATION SET



Type EL-ECP [09CA025] end termination for parallel trace heaters ELP/PFA	No.	Quantity
End cap EL-ECP, Silicone, red	1	1 Unit
Silicone adhesive, „ECH“ red, 5 gr.	2	1 Unit



ATTENTION

- Termination to be done only by personnel that is trained, qualified and knowledgeable in trace heating installations in Hazardous Areas!
- After installation inspect visually to ensure tight fit and absence of leaks.
- After completion check insulation resistance (min. 500VDC, recommended 2500VDC => min. 20 MOhm) and measure heater resistance!



NOTE

An end termination set does not include a power connection set. If a power connection set is needed, it must be ordered separately.

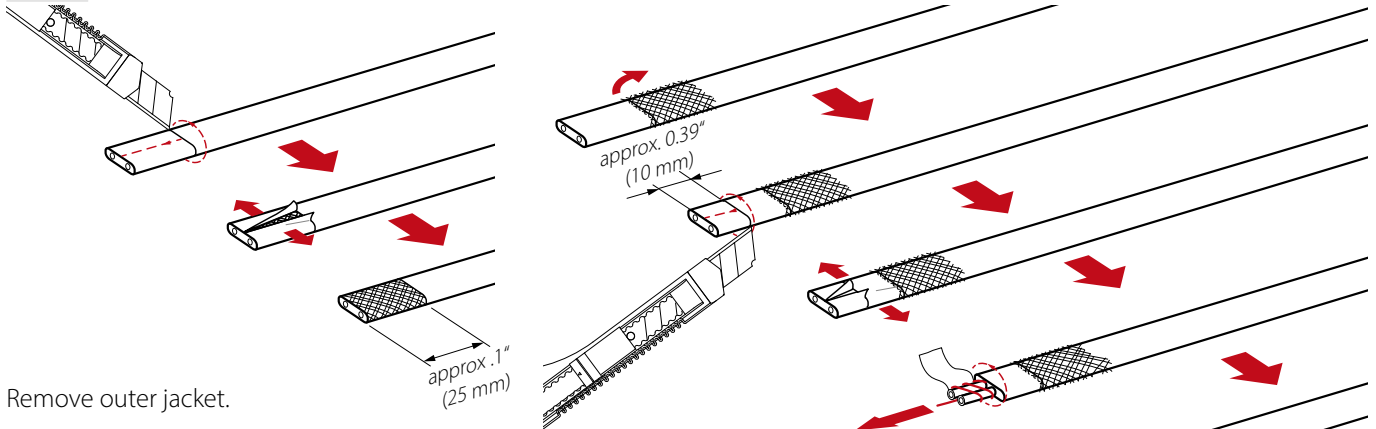


WARNING

Before starting work: De-energize the trace heater!

Preparation of ELP/PFA

1.3



Remove outer jacket.



ATTENTION

Make sure not to damage the insulation of the separated bus wires.

Fold over the braid, remove the inner insulation and white foil, unwind and cut off the heating wire, shorten bus wire.

approx. 0.2" 5/8"
(5 mm) (15 mm)



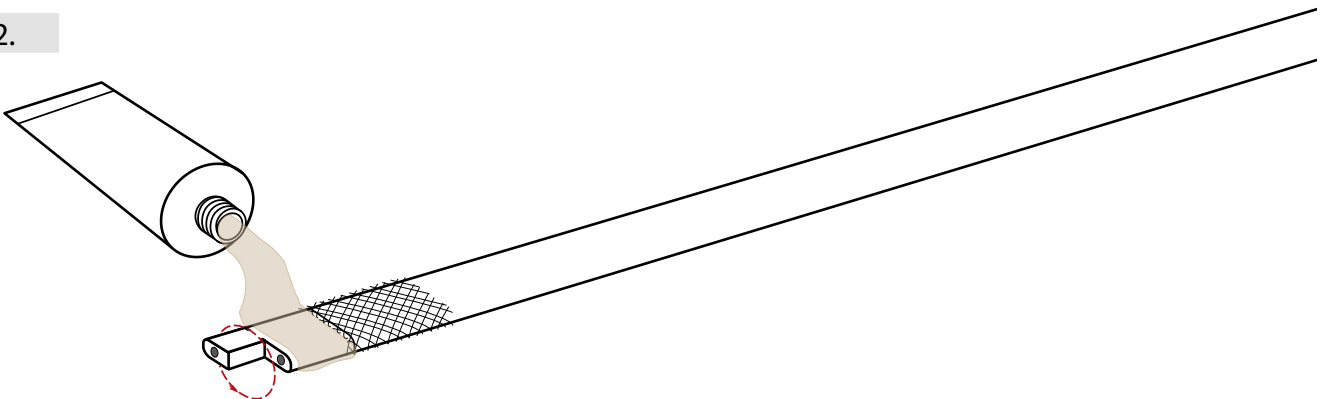
DANGER

The 15 mm / 5/8" must be kept as **minimum creeping distance!**

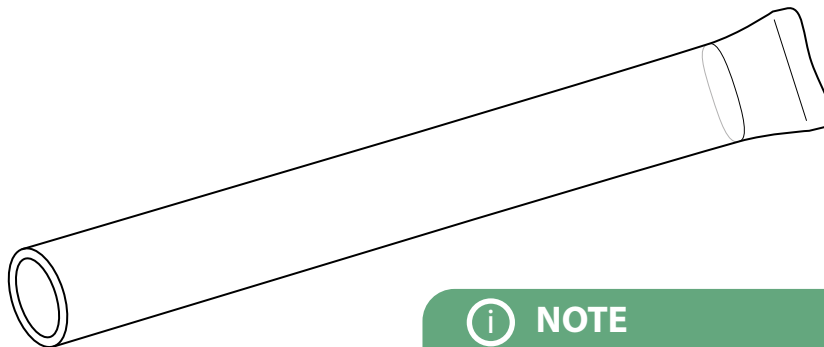
All wires of the braid need to be bent back. Otherwise there is a **risk of short circuit!**

Mount end cap

2.



Distribute silicone completely and evenly on the end of the trace heater.



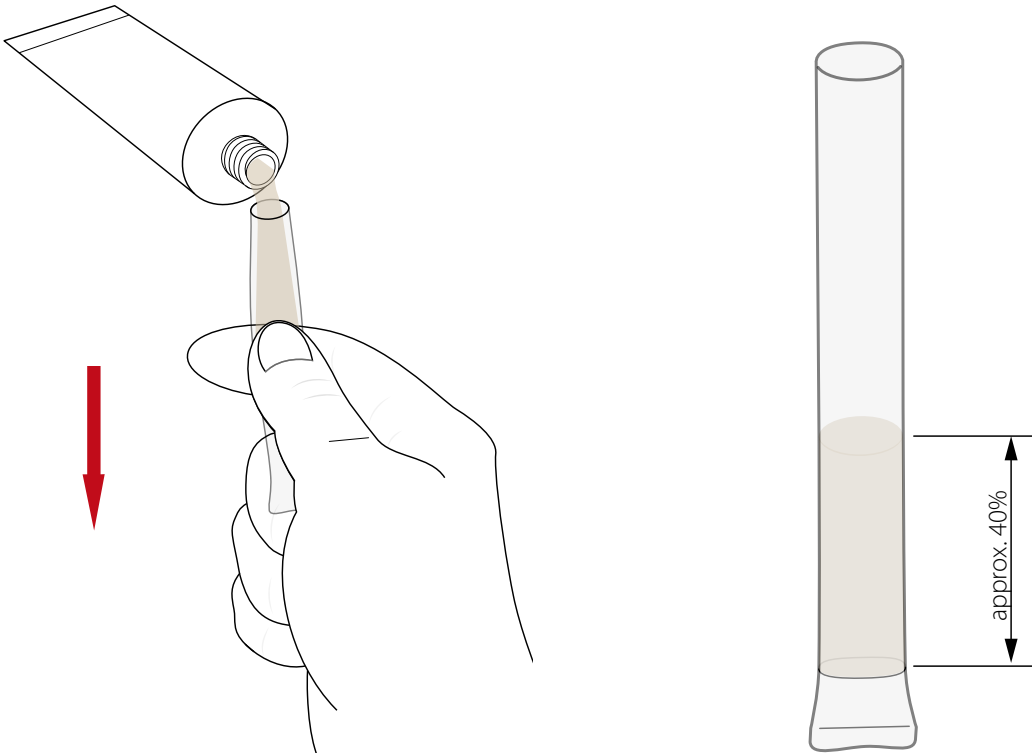
Check end cap to ensure it is not damaged.



NOTE

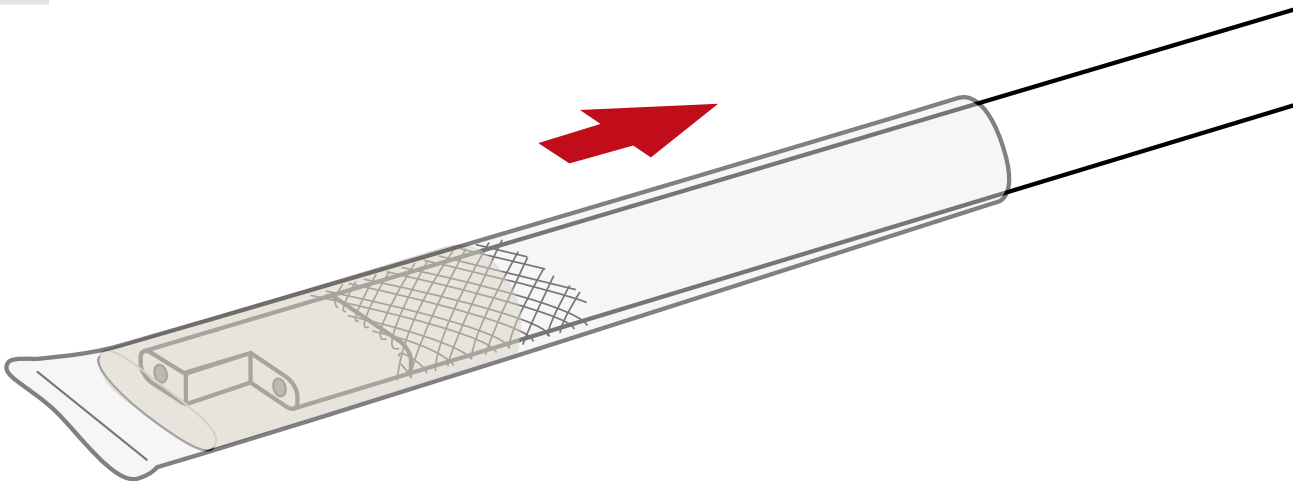
The end caps EL-ECP are red and are shown transparent to simplify the illustration of the assembly step.

3.



To fill the silicone, squeeze the end cap so that the silicone is drawn into the end cap by the suction effect.

4.



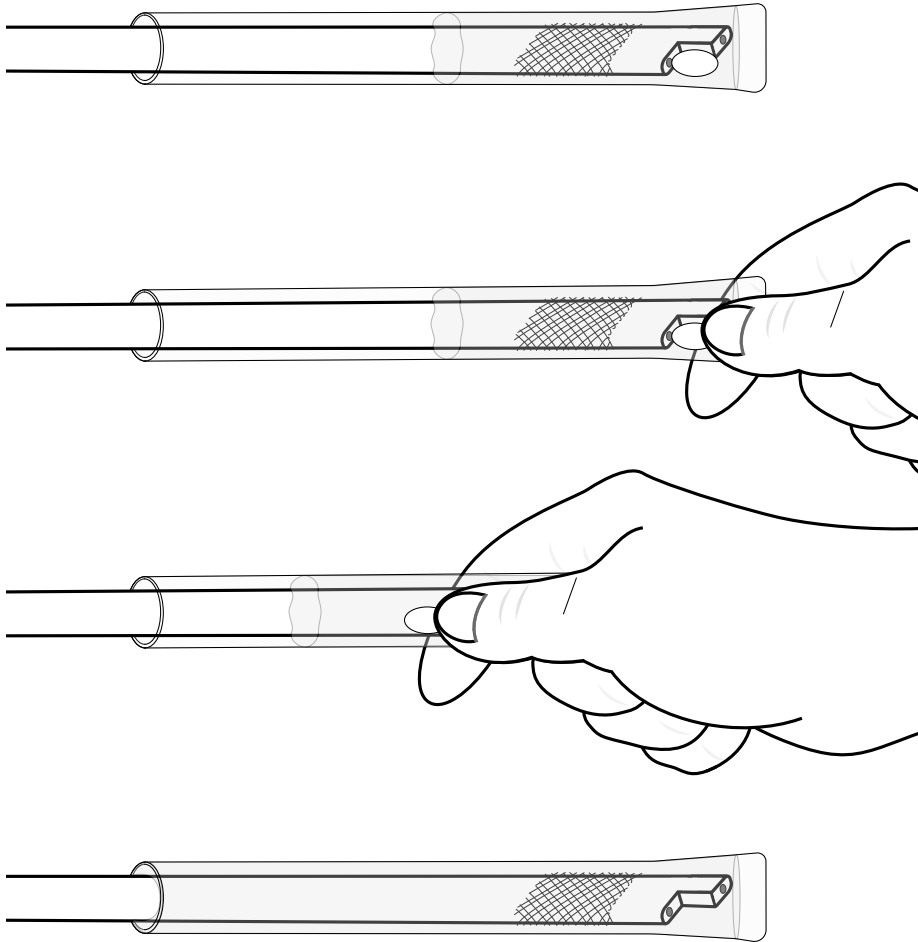
Push the entire length of the end cap onto the end of the trace heater.



WARNING

Installation of a termination set by sliding on the silicone end cap **without** adhesive is not permitted!

5.



Press out any air pockets in the silicone adhesive by hand and spread the silicone adhesive in the end cap. Inspect visually to ensure tight fit and for leaks. Then the heating tape is ready for operation immediately.



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