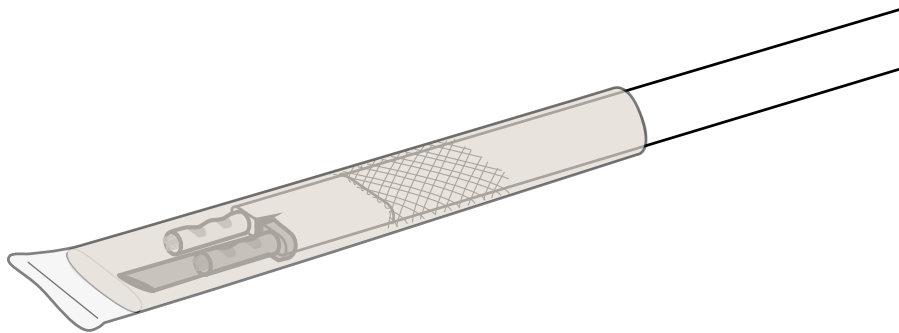


ASSEMBLY INSTRUCTIONS



EL-ECMF EL-ECM

End termination set for ELSR-M-BAF/-BF,
ELSR-M-AO/-BO und ELSR-R

CONTENT

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IMPORTANT INFORMATIONEN

- FOR STORAGE



For proper and safe use of the EL-ECMF end termination set, 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 should not be disposed of with other waste. For more information on the disposal and recovery of waste electrical and electronic equipment (WEEE) and collection points, please contact your local waste disposal company or the manufacturer from whom you purchased the product.



ATTENTION

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

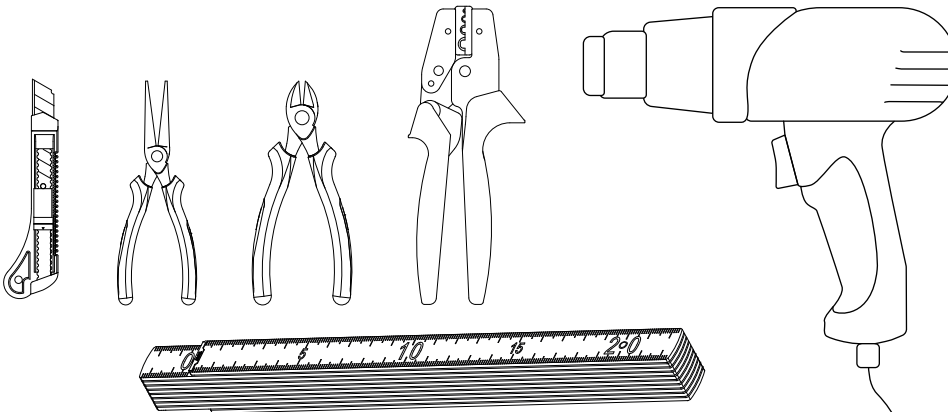
Refers to a dangerous situation. If it is not prevented there is risk of injury or at least a high risk of material damage.

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 P: +49 2736 4413-0 F.: +49 2736 4413-50 info@eltherm.com	Document:		Assembly Instructions	
	86430409112MF		EL-ECMF for ELSR -M-BAF/-BF	
			EL-ECM for ELSR-M-AO/-BO and ELSR-R	
	Author:	N. Klauke	Datum:	08.01.2016
	Revision: 06	Julian Engel	Datum:	06.02.2026

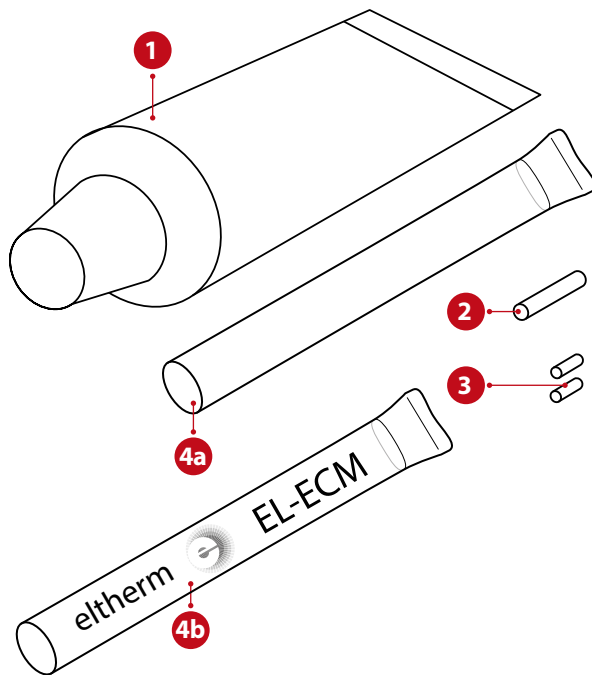
RECOMMENDED TOOLS



CONTENT END TERMINATION SET

Art.No. 09112MF Suitable for use with ELSR-M-BF/ -BAF

Art.No. 09112M1 Suitable for use with ELSR-M-BO/ -AO and ELSR-R



Nº	Type	Qty
1	Silicone glue, 5 ml "LT" for end termination	1 pc
2	Heat shrink Øi=1/8" (3,2 mm); l = 20 mm; bk	1 pc
3	Nickel sleeve 3,2 x 0,4 x 9,0mm blank	2 pcs
4a	Silicone end cap without marking for ELSR-M-BF/BAF	1 pc
4b	Silicone end cap "EL-ECM" for ELSR-M-BO/-AO and ELSR-R	1 pc



ATTENTION

Work may only be carried out by authorised specialist staff!
After installation, a visual inspection for good fit and tightness must be carried out.
The heating circuit is immediately ready for operation after installation of the end termination (no drying time necessary).
After completion of the work and insulation resistance must be checked!

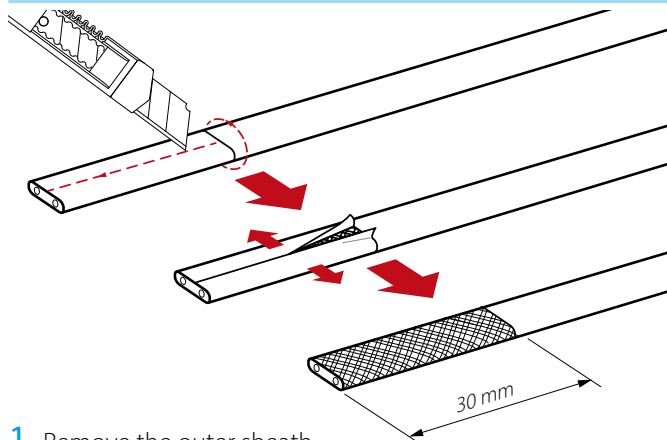


NOTE

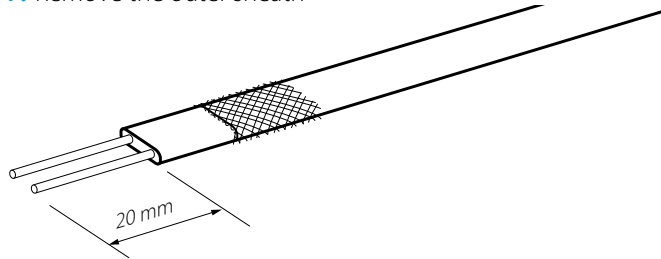
A connection set is not part of this end termination set. If a connection set is required, it must be ordered separately.

PREPARATION

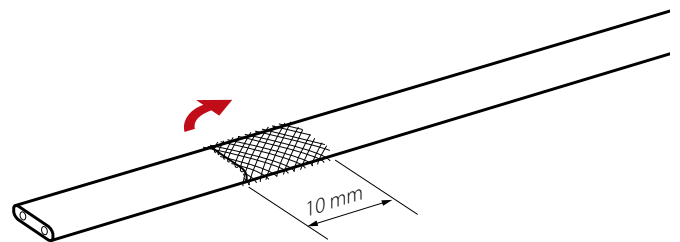
ELSR with braid (ELSR-R and ELSR-M-BF/-BO)



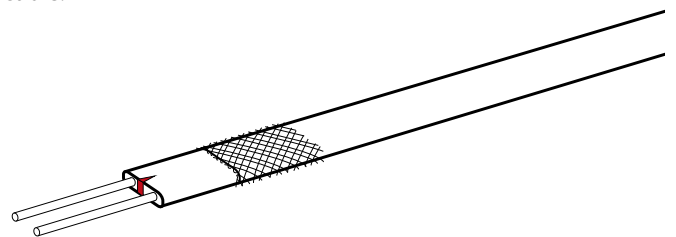
1. Remove the outer sheath



3. Strip the power conductors over a length of 20 mm.
(remove inner isolation and Matrix).

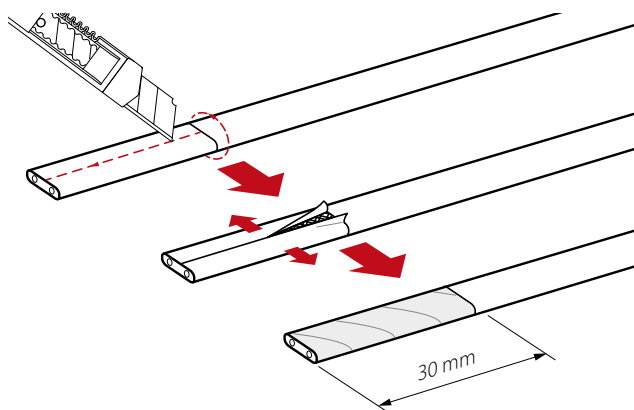


2. Shorten the protective earth braiding down to 10 mm remaining length and pull it over the outer sheath of the cable.

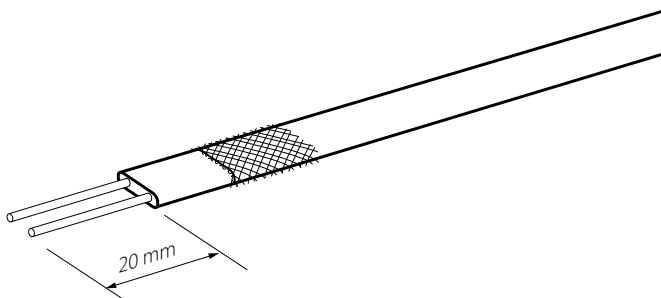


4. Make a V-shaped central cut about 4 mm deep into the matrix / inner insulation.

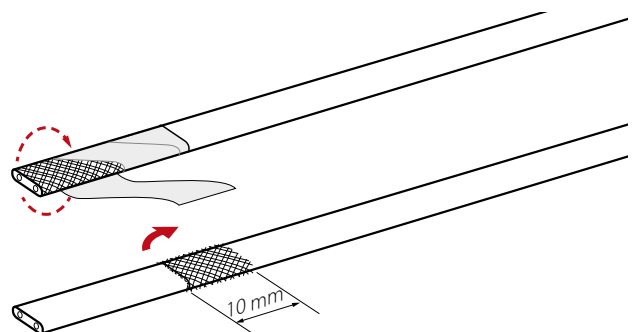
ELSR with braid/ Alufoil (ELSR-M-BAF)



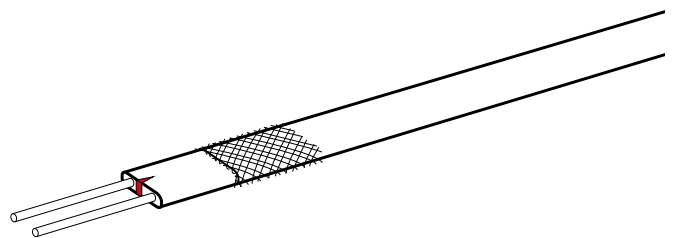
1. Remove the outer sheath



3. Strip the power conductors over a length of 20 mm.
(remove inner isolation and Matrix).

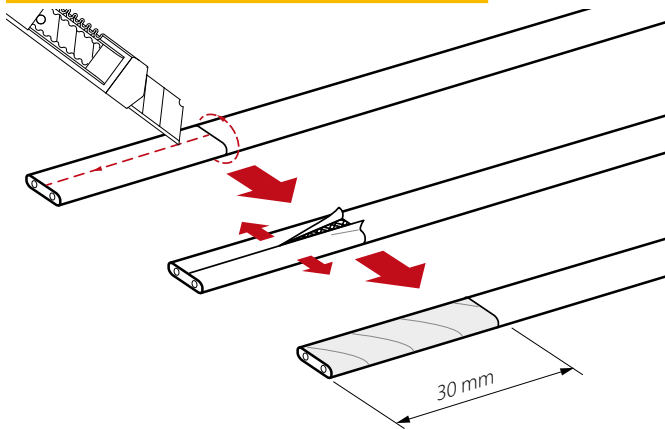


2. Remove the Alufoil. Shorten the protective earth braiding down to 10 mm remaining length and pull it over the outer sheath of the cable.

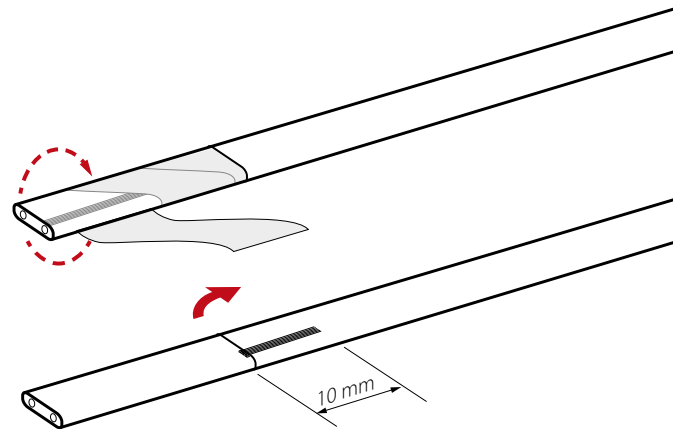


4. Make a V-shaped central cut about 4 mm deep into the matrix / inner insulation.

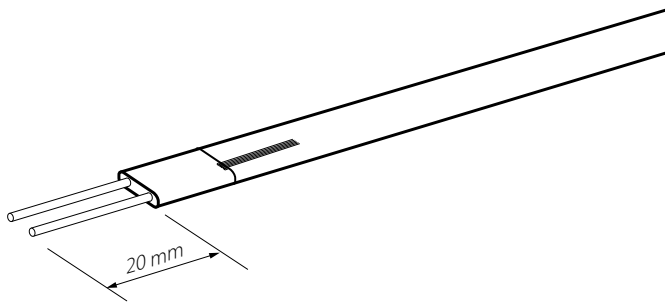
ELSR with Alufoil (ELSR-M-AF/-AO)



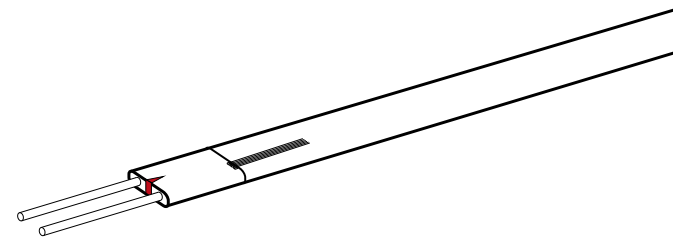
1. Remove the outer sheath



2. Remove the Alufoil. Shorten the protective conductor down to 10 mm and pull it over the outer sheath of the cable.



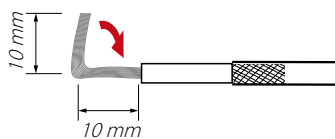
3. Strip the power conductors over a length of 20 mm. (remove inner isolation and Matrix).



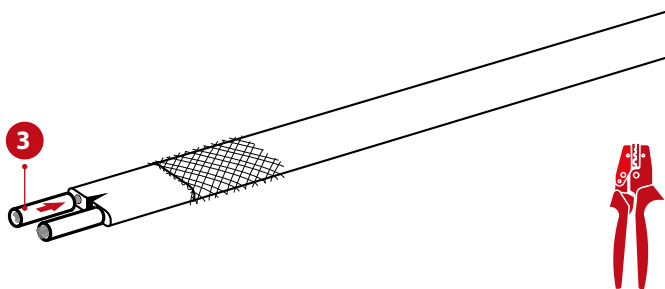
4. Make a V-shaped central cut about 4 mm deep into the matrix / inner insulation.

ASSEMBLING

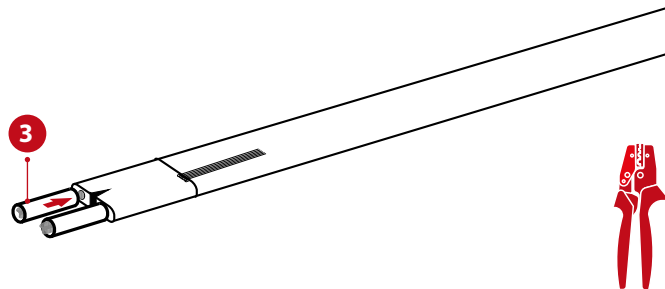
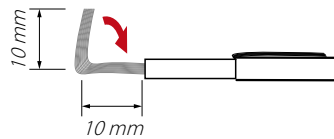
ELSR with braid



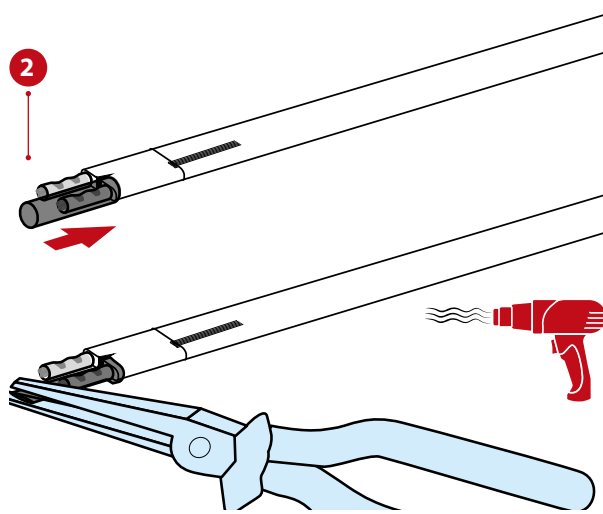
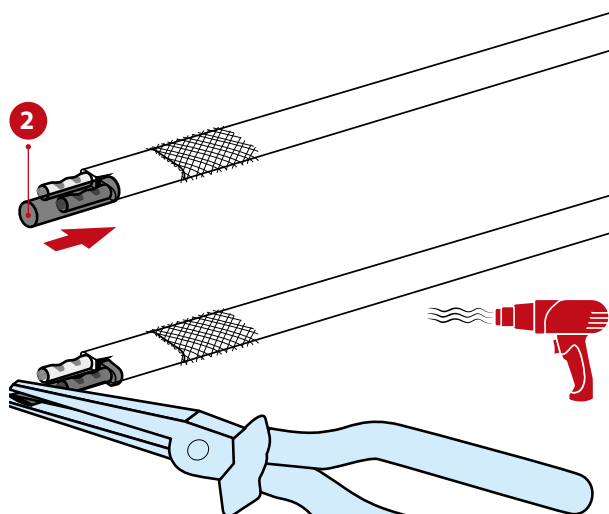
Loop back the electric conductors.



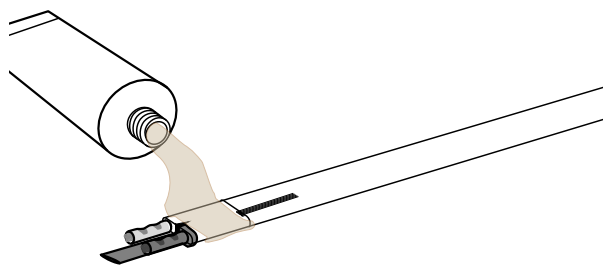
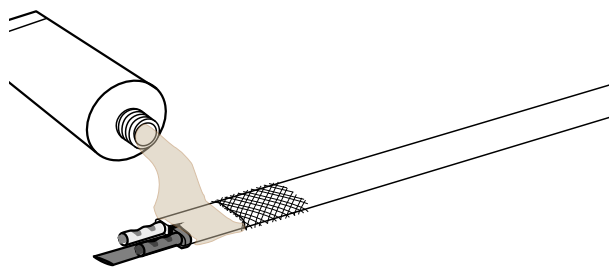
ELSR with Alufoil



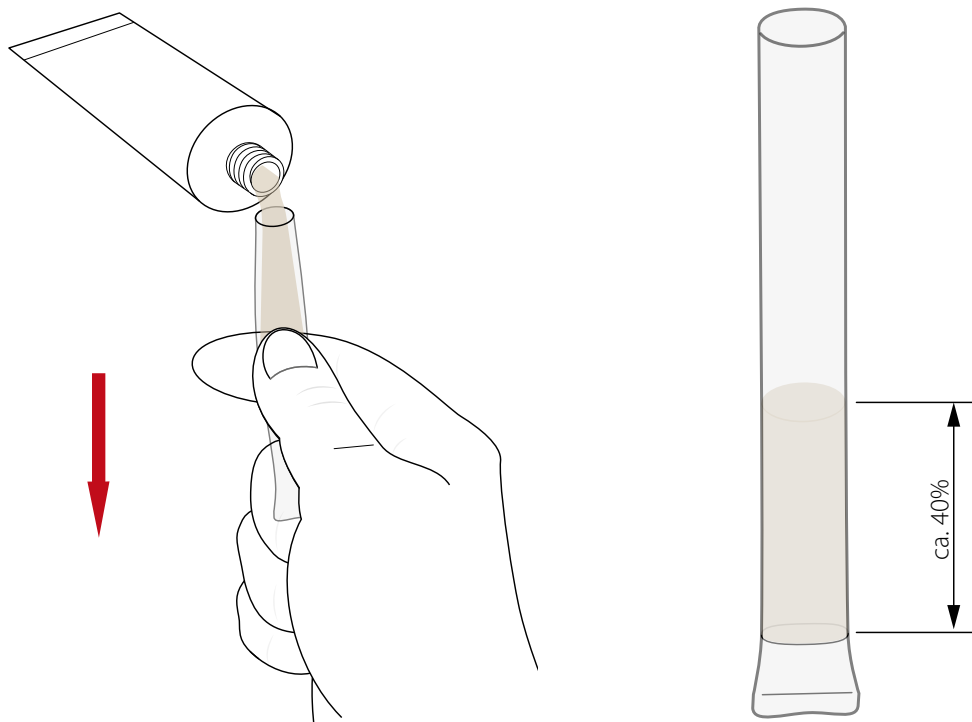
Slide on Nickel ferrules and crimp them by means of crimping tool Knipex (Insert 0,5 -1,5).



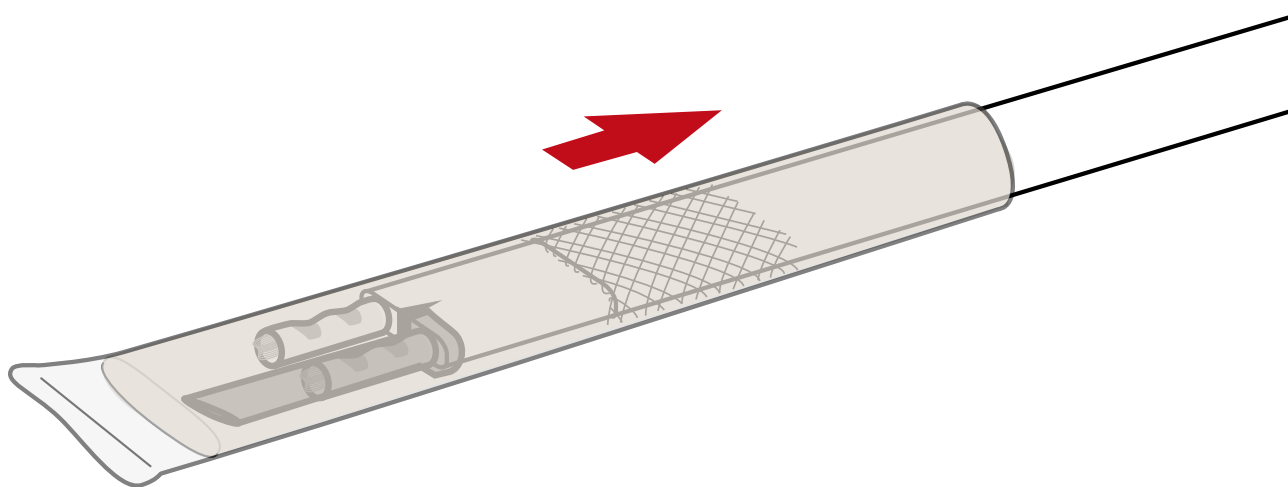
Shrink one of the crimp connections with shrink sleeving and press it together at the far end and in still warm condition by means of flat-nosed pliers.



Spread the silicone completely & evenly over the end of the heating cable.



- Check the silicone end cap for possible damages.
- Press the silicone down into the end cap when filling to eliminate air pockets.



Push the end cap full length onto the end of the heating tape. Visual check of proper fit and sealing. The heating tape is then ready for operation



WARNING

Using the silicon sleeve **without** glue is not permitted!



WARNING

After installation, the end cap must not be subjected to excessive mechanical stress to prevent the supply lines inside the silicone end cap from being torn off.



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