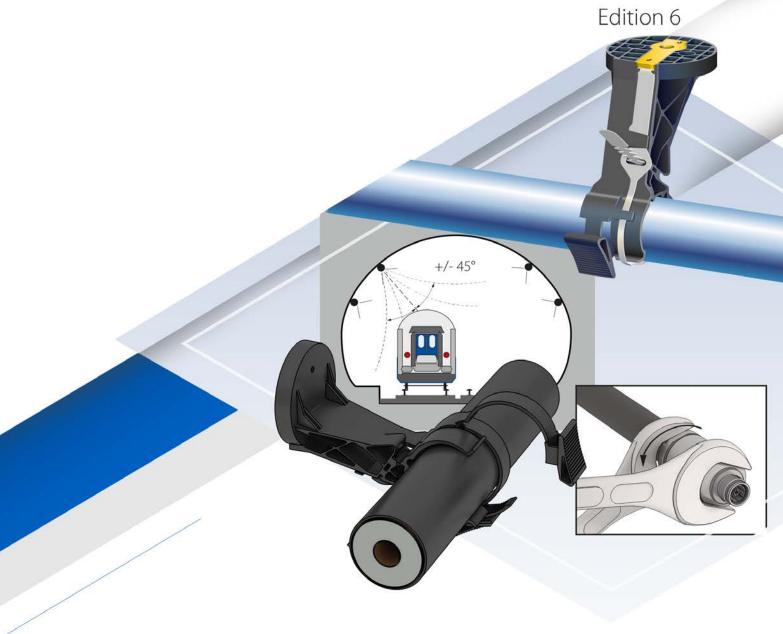
RADIATING CABLES Installation Guide







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All information given is indicative only and not binding and can be subject to change without notice.

Installation video

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General instructions Safety on site

Cordoning - off the working area

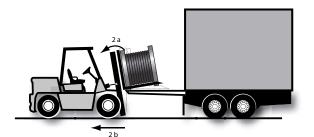
- Warning Signs
- Warning Cones
- Warning Lights
- Warning Tape

Keeping the access and emergency routes clear of

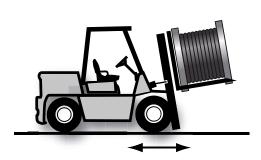
- Materials
- Tolls
- Vehicles

Fire precautions

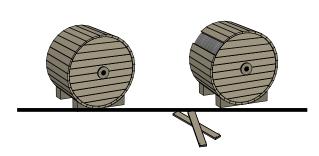
- Easily inflamable materials should be ...
- kept to a minimum
- disposed of immediately if not necessary any longer
- brought into the tunnel only in the amount required

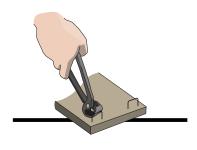










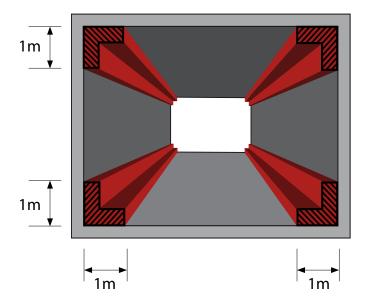


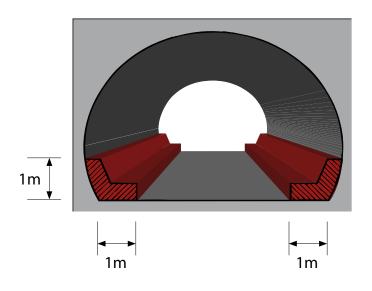


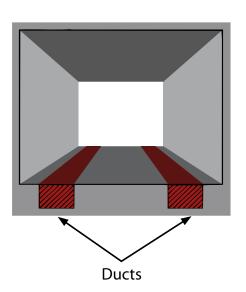
Radiating Cable positioning in tunnels



No radiating cable in these areas



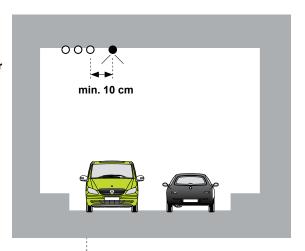


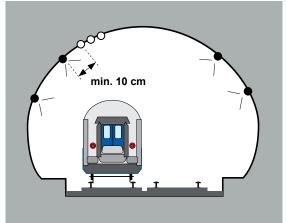




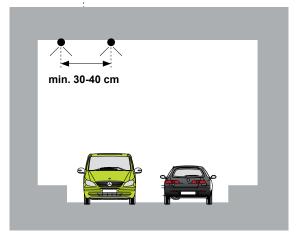
Installation of EUCARAY® Radiating Cables

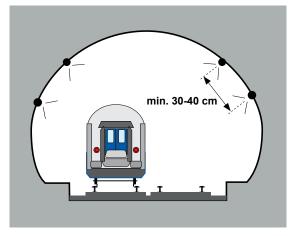
Recommended min. spacing of **Radiating Cable** to other cable or obstacles.



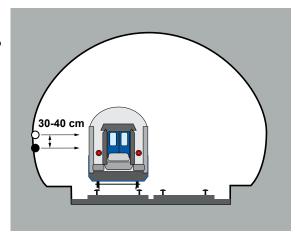


Recommended min. spacing for MiMo installation.





Orientating the cable to the receiver leads to best results.



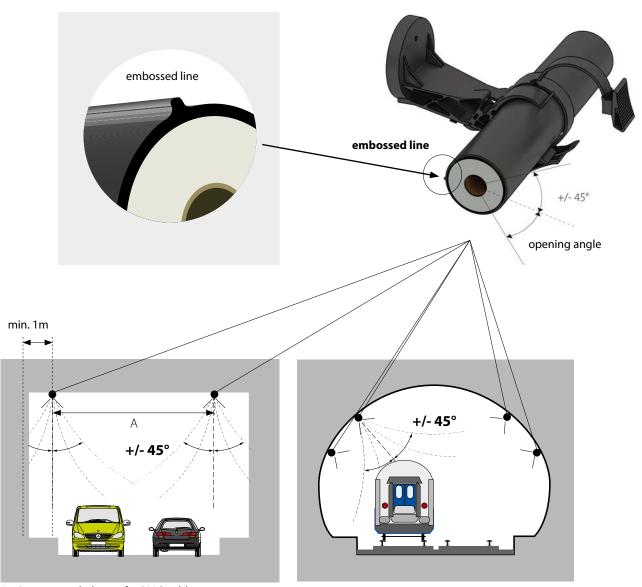
Note: the clamp spacing and recommended distance to wall per cable is stated on the data sheet (example):

- Recommended Clamp Spacing: 1.0 (3.28) m (ft)
- Distance to Wall recommended / min.: mm (in) 80 - 180 (3.15 - 7.00) / 50 (1.96)



Orientation of slots for RMC cables

Apertures oriented towards area to be covered. The slots are located 180° opposite to an embossed line on the jacket.



A= Recommended zone for RMC-cable

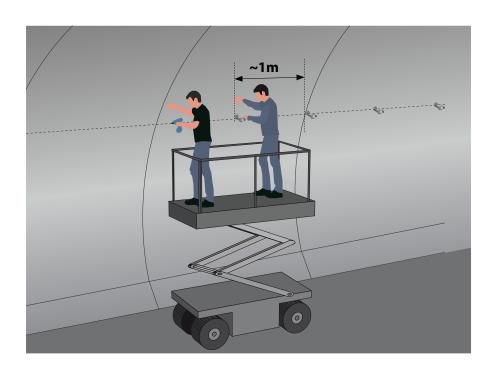
The slots are located 180° opposite to an embossed line on the jacket.

For LSC- and CMC-cables a cable orientation is not needed.

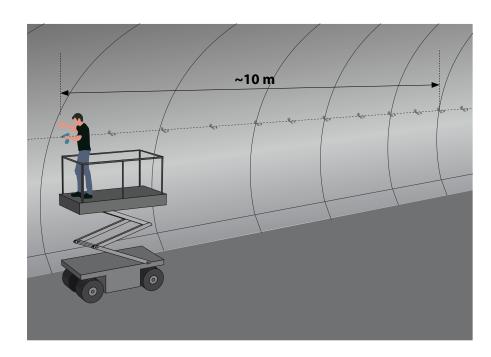


Drilling and clamping

Every 1 meter, the recommended hangers are non-metallic clic clamps or clamps without fire resistant belt.

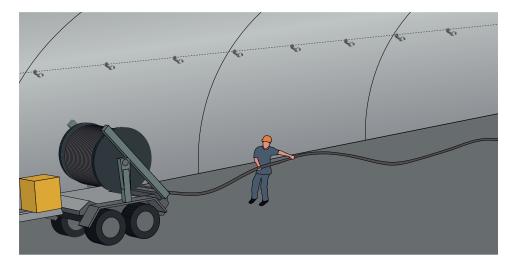


Every 10 meters, the recommended hangers should be of fire resistant type. They can be clamps with metal anchor and fire resistant belt, or steel clamps.

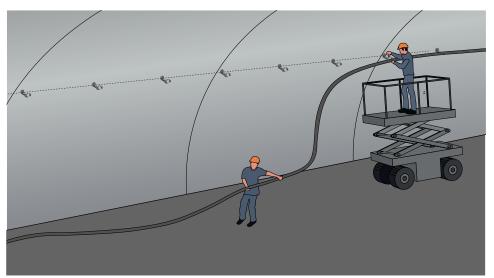




Mounting in tunnel

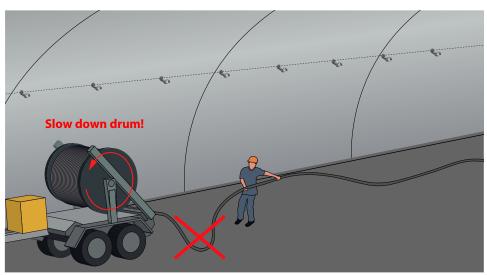


Roll the cable carefully off the drum and lay it on the ground.



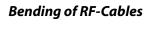
Lift the cable to the clamps avoiding kinks or damages.

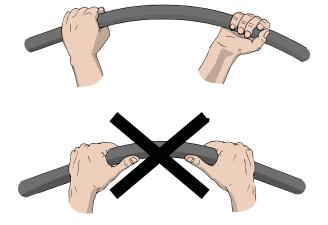
Respect the bending radius.



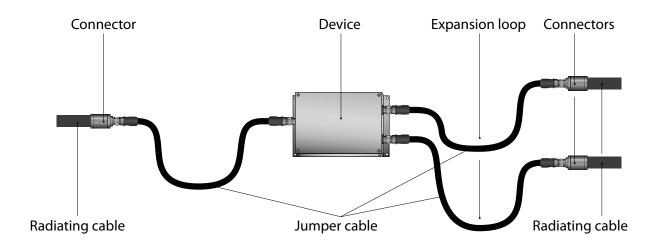


Installation recommendations





Expansion loops





Connection of two EUCARAY® radiating cables



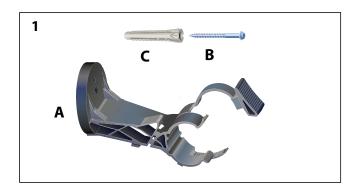
For long runs of radiating cables, when the required cable length exceeds the length on a standard drum, radiating cables can be connected together.

In order to absorb cable extensions due to temperature changes, it is recommended to use a jumper cable which runs in a loop (ring) between the two sections of radiating cables.

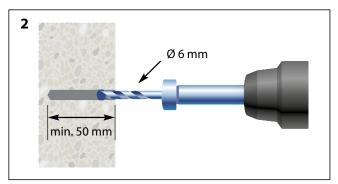
We recommend for this purpose Eupen EC4-HF-S-100-Hilfex jumpers.

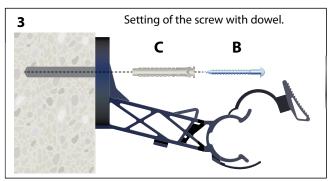


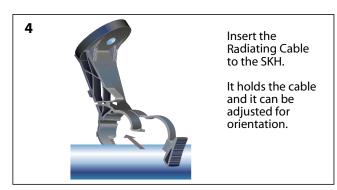
SKH - Radiating Cable clamps Wall or Ceiling mount of SKH

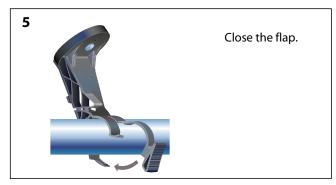


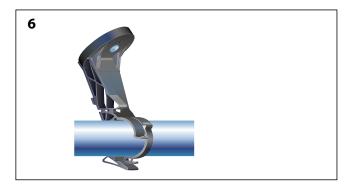
- A SKH Strahlende Kabel Halter
- B Screw Ø 4,5 mm
- C Dowel Ø 6 mm





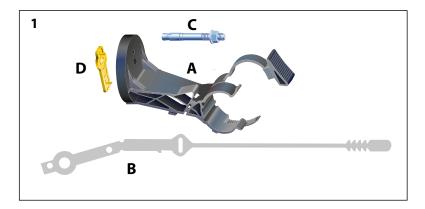






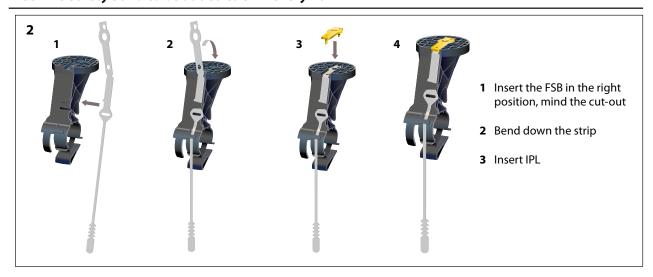


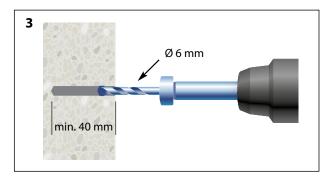
SKH - Radiating Cable clamps Wall or Ceiling mount of SKH with FSB (recommended every 10 meters)

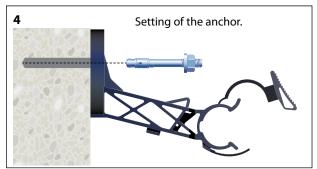


- SKH Strahlende Kabel Halter
- FSB Fire resistant band
- Metal anchor Ø 6mm C
- D

FSB Fire Safety Band to be added to SKH every 10m





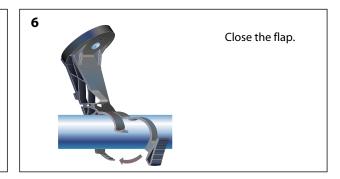






Insert the Radiating Cable to the SKH.

It holds the cable and it can be adjusted for orientation.

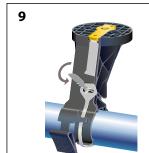




Insert the Radiation Cable in the prefixing.

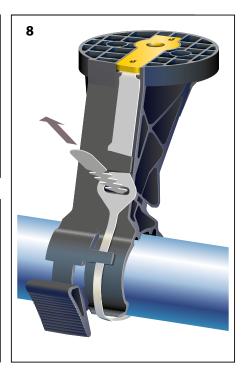
Bring the cable into the right position.

Fix the cable by closing the clamp.



Enter the FSB element into the foreseen slot. Push it through.

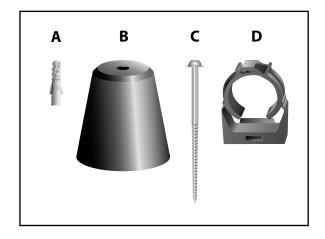
Tighten it firmly and twist it one time (180 degr. or more) to fix it.





Installation instruction for clic clamp with Nylon plug and round base spacer

(recommended every 1 meter)



- Nylon dowel 6 x 30 mm
- Round base spacer RB80
- Screw WS125 Ø 4,5 mm
- Clic clamp



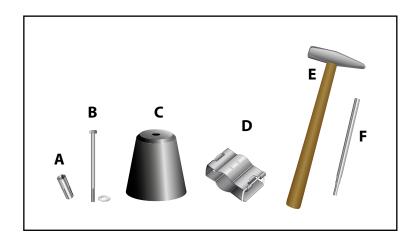




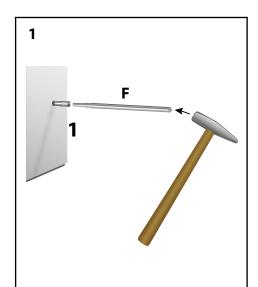


Installation instruction for clip hangers **EUCH-xx-NH**

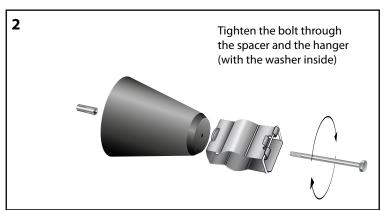
(recommended every 10 meters)



- Α Stainless steel plug M6 HPM6-SS
- Bolt with metric thread, stainless steel B6/90-SS (M6 x 90, hex socket head), with washer
- C Round base spacer RB80
- D Clip hanger EUCH-xx-NH
- Ε Hammer
- Setting tool



Drill a hole of 8 mm diameter and minimum 27 mm depth, insert the M6 steel plug into the wall and strike it with the hammer by using appropriate setting tool.

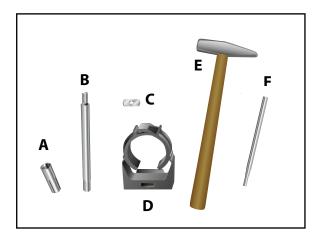




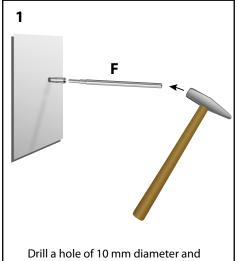


Installation instruction for clip clamp with steel plug and steel spacer

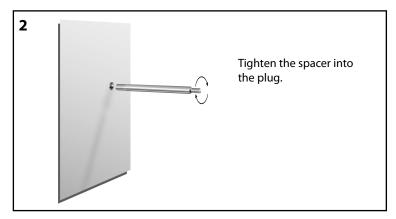
(recommended every 1 meter)

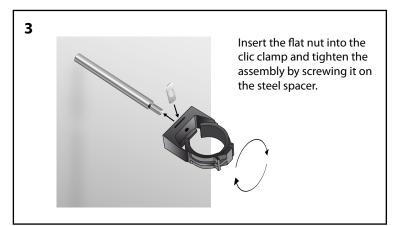


- Stainless steel plug M8 HPM8-SS Α
- В Stainless steel spacer SSP6/75/8
- C Flat nut M6 FN6
- D Clic clamp
- Ε Hammer
- Setting tool



minimum 33 mm depth, insert the M8 steel plug into the wall and strike it with the hammer by using appropriate setting tool.





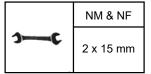


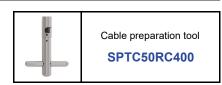
Installation instructions for connectors

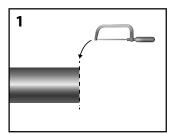
Connectors installation for Radiating Cables RC 400



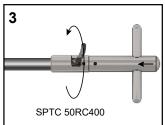


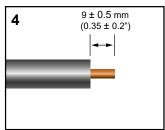


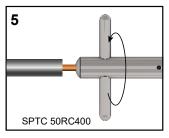


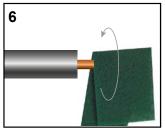


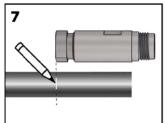


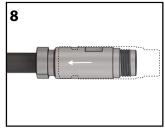
















10 - for installations in harsh environments, the use of an optional heat-shrink is recommended.

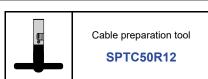


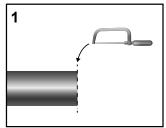
Connectors installation for Radiating Cables 1/2"



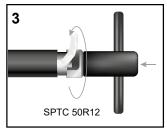


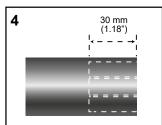
	NF, 7-16F	NM	7-16M
>c	2 x 22 mm	2 x 22 mm & 19 mm	2 x 22 mm & 32 mm

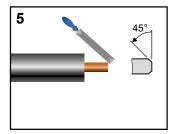


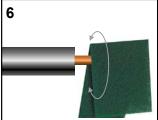


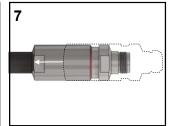


















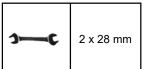
Link to installation video on Youtube

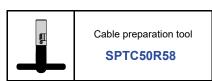


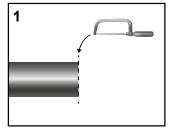
Connectors installation for Radiating Cables 5/8"

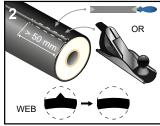


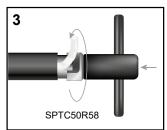


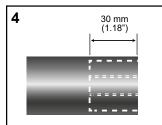


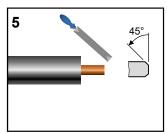


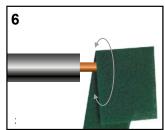


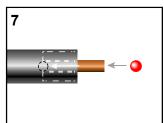


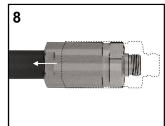


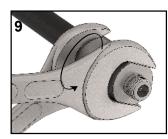
















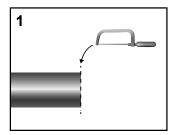
Connectors installation for Radiating Cables 7/8"



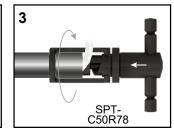


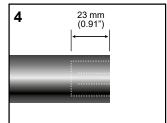


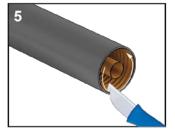
3—C	NF, 7-16F, 4.3-10F	NM	7-16M
	2 x 34 mm	2 x 34 mm 19 mm	2 x 34 mm 32 mm

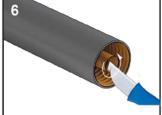


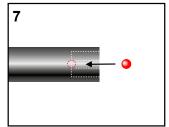


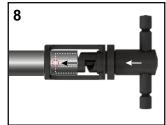


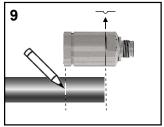




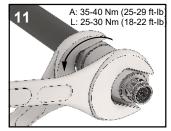




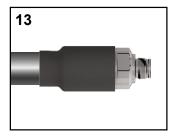












13 - for installations in harsh environments, the use of an optional heatshrink is recommended.



Link to installation video on Youtube



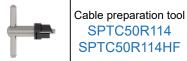
Connectors installation for Radiating Cables 1-1/4"

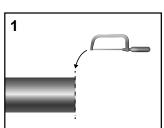


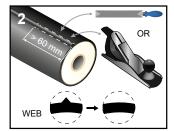


NM

19 mm







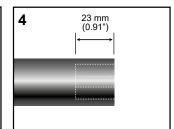
ø 63 mm

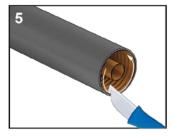
ø 5 mm

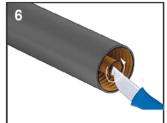


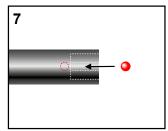
7-16M

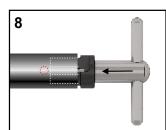
32 mm

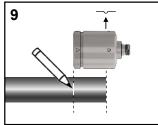


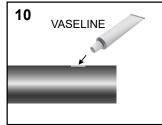


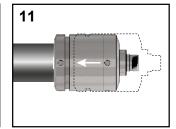


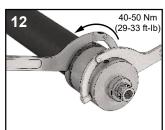














13 - for installations in harsh environments, the use of an optional heatshrink is recommended.



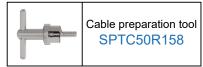
Link to installation video on Youtube



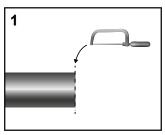
Connectors installation for Radiating Cables 1-5/8"



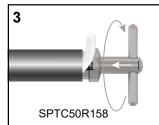


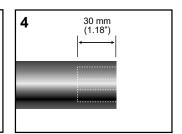




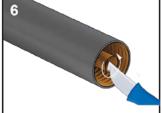


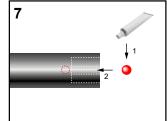


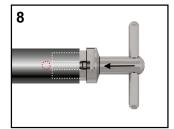




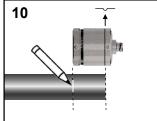


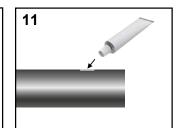


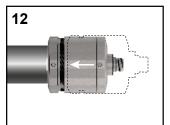


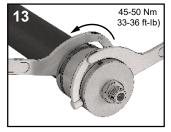




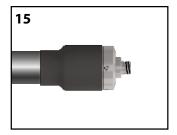














Link to installation video on Youtube



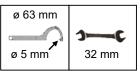
S-Type Connectors installation for Radiating Cables 1-1/4" & 1-5/8"







Cable preparation tool F-114R-A F-158R-A

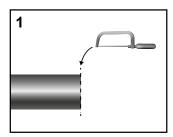


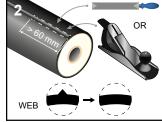


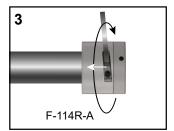
Cable preparation tool F-114R-B F-158R-B

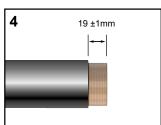


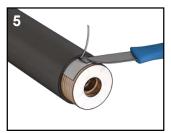
Abrasive pad Metal-free Ultrafine

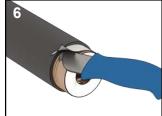




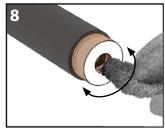


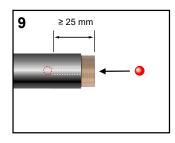


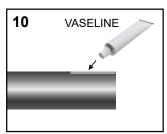




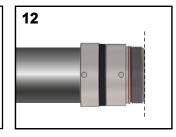




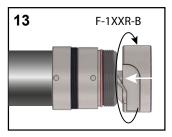






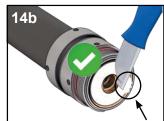




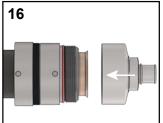


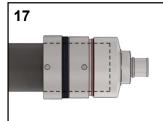




















Installation video

How to install connectors on EUPEN feeder cables



Installation videos can be found on the YouTube channel

www.youtube.com@kabelwerkeupenag9930



