



**LANmark EVO Series
Snap-in Connector
FTP**

INSTALLATION GUIDE

Document information

Release	August 2005
Published by	Nexans Cabling Solutions
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Installation is to be performed by qualified service personnel

LANmark Snap-in Toolless Connector Foil Screened - FTP

! Always use 420.555 or 420.666 or 420.666G for solid cable and 420.556 or 420.667 or 420.667G for stranded wire cable.

During installation, care of LANmark-6 or LANmark-6 10G products is much more important than when installing LANmark-5 or other Nexans Category 5e products.

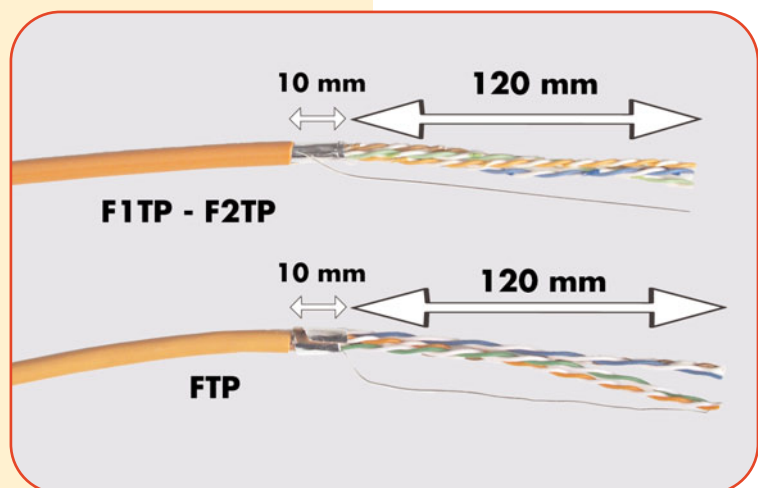
The high levels of performance can only be guaranteed if the installation procedures are followed. Special attention must be given to keep the length of untwist of the cable pairs as little as possible.

Prepare the cables for termination.

F1TP, F2TP & FTP cable :

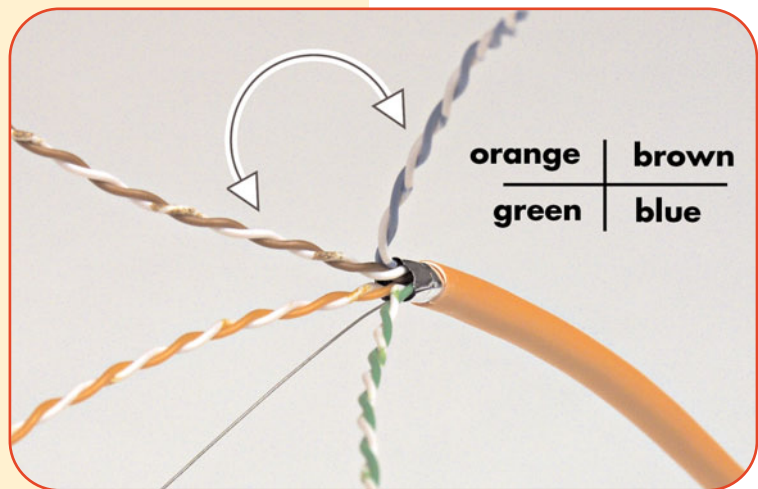
Cut off the outer jacket and for **F2TP** the outer foil for the shown length. This makes the aluminium side of the inner foil visible.

For FTP cables inverse the foil to expose the metal side on the outside. If present, cut off the C3 central cross member. Once the jackets have been prepared replace the cable labels with a permanent label solution.

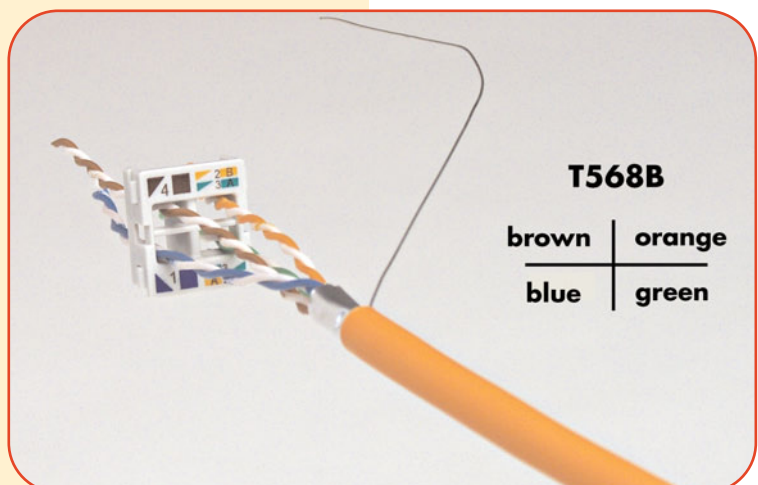


For T568B terminations position the pairs of the cable as follows :

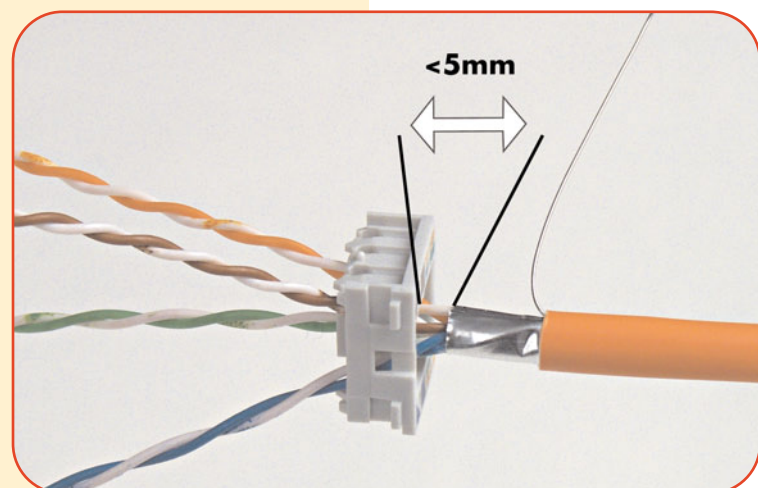
Brown	Orange
Blue	Green



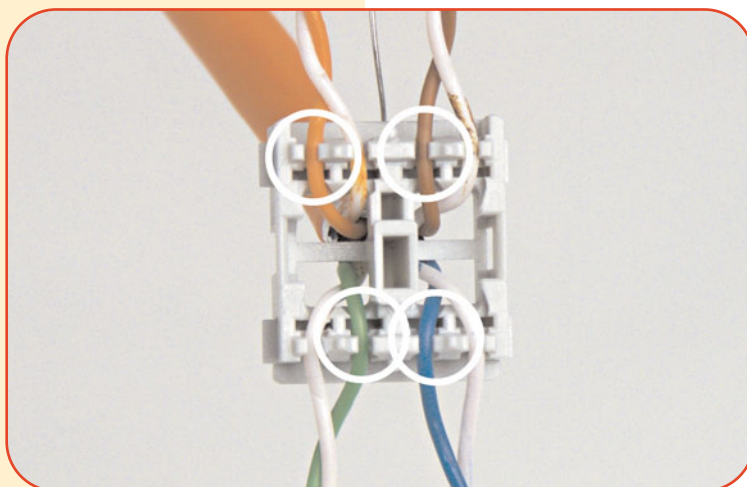
1. Slide the cable holder over all 4 pairs at the same time.
2. Do not untwist any of the individual pairs for this part of the preparation.
3. Respect the colour code on the cable holder.



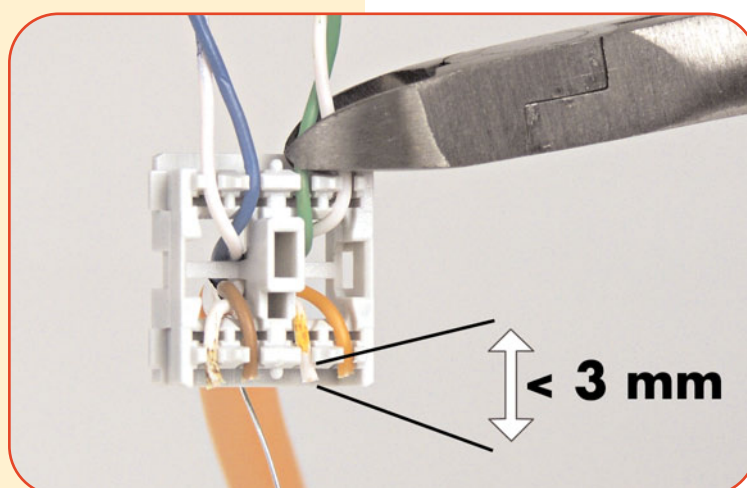
4. The distance between the cable holder and the foil of the cable must be as short as possible (Less than 5 mm is advised).



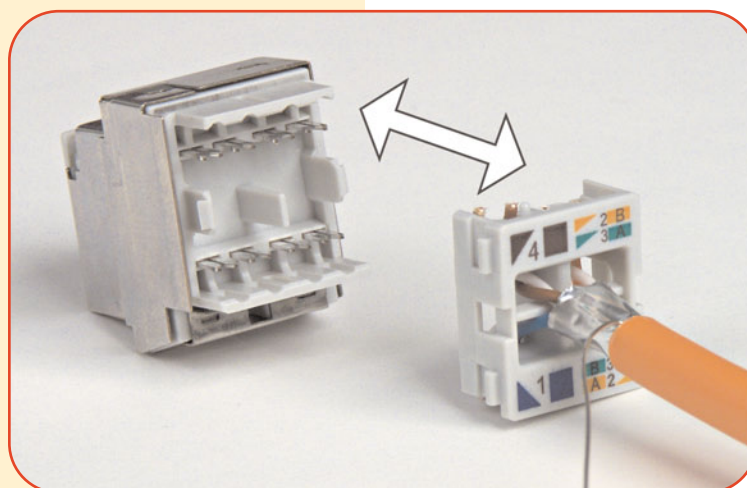
Pull the pairs over the pair splitter respecting the colour code. For 568B terminations, the orange conductor is at the outer side. The blue, brown and green conductors are all on the inner side.



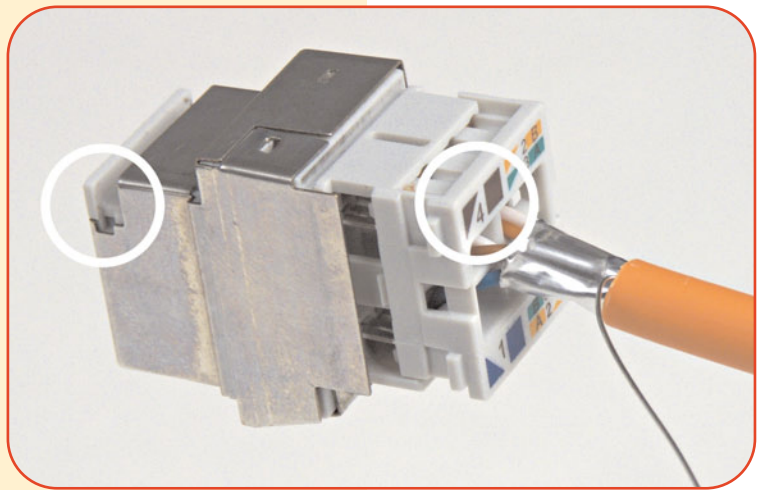
Use a pair of side cutters to cut off the overlength of the pairs. Cut as short as possible. A maximum overlength of 3 mm is allowed.



Position the cable holder correctly oriented on the back of the connector. The guiding central member must slide over the central pin. The wire organizer will only fit in one orientation.



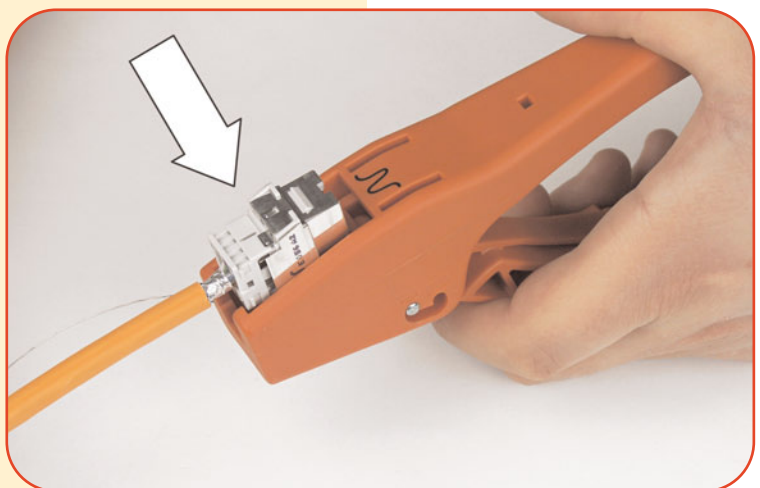
Push the cable holder evenly onto the back of the connector until you feel that both sides have clicked down.



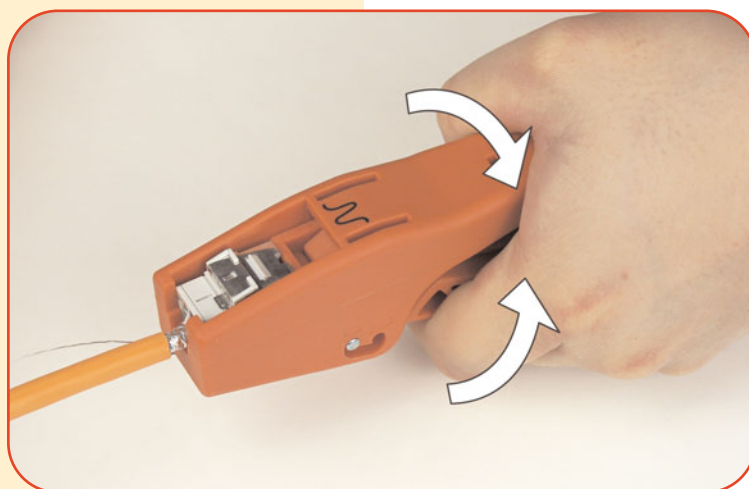
Make sure that the universal comfort tool is set to the short EVO position.



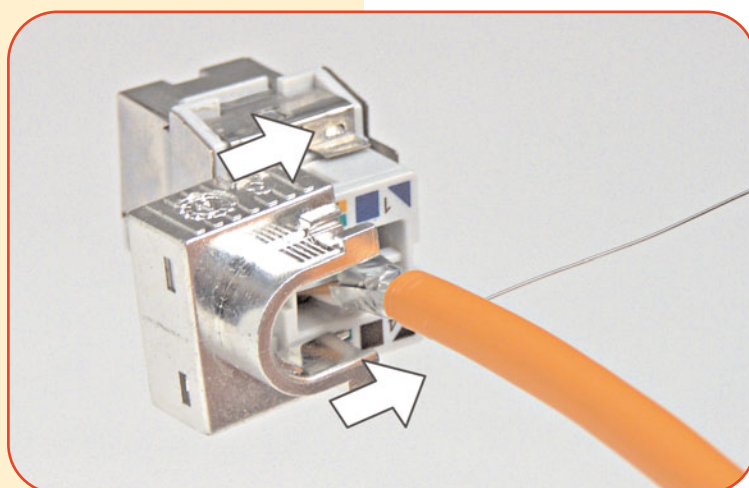
Put the assembly in the universal comfort tool (with the "N" marking) and close it.



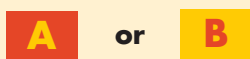
The assembly must be inserted flat into the comfort tool as shown in the picture.
Close the comfort tool to make the connection.
Do not exert any lateral strain on the connector and cable assembly.



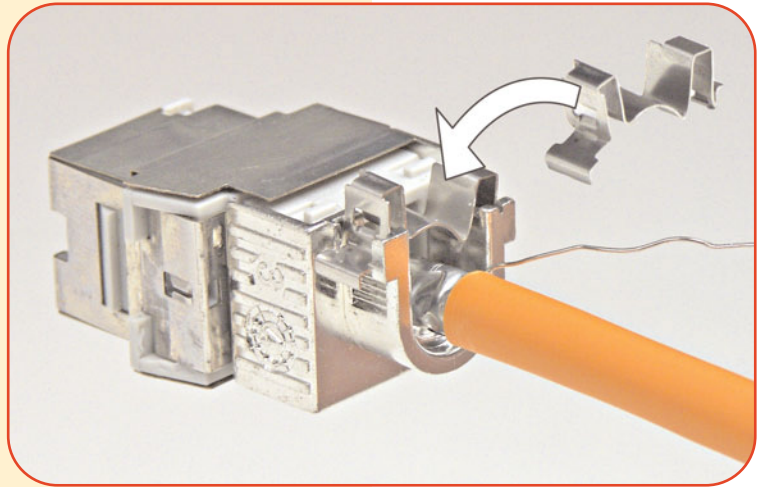
Slide the rear cover on the back of the connector as shown.



The drainwire can be connected on two different places, either on the bottom of the connector or under the clip of the EMC pack :



Installation of the drainwire on the bottom:
First install the EMC clip on the side of the emc pack.
Make sure that both clip and rear cover make good contact with the foil.



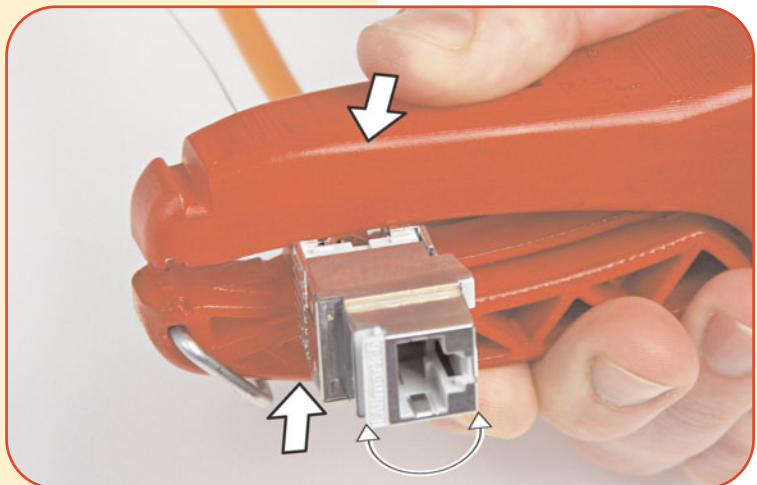
A

If necessary push firmly with the backside of the comfort tool on the clip as shown.



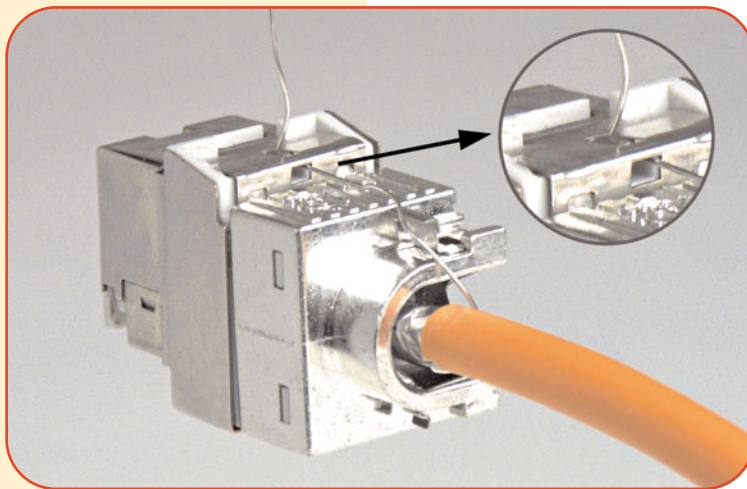
A

If necessary twist the connector slightly while pressing to ensure a correct installation of the EMC clip.



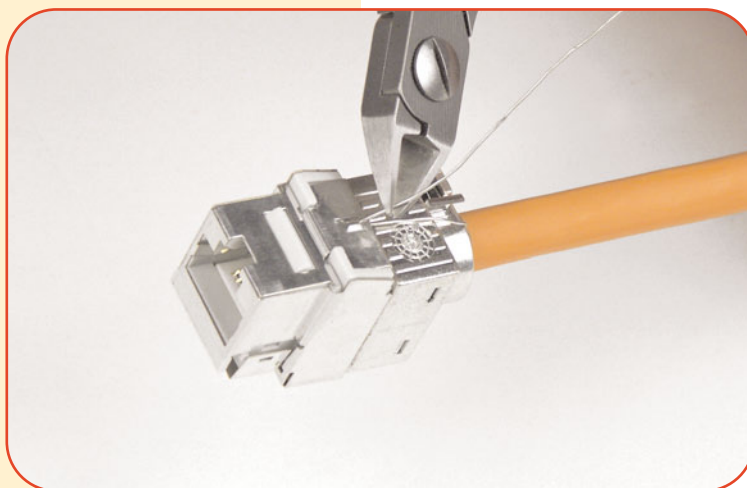
A

Insert the drainwire on the bottom of the connector as shown and pull back to fix it.



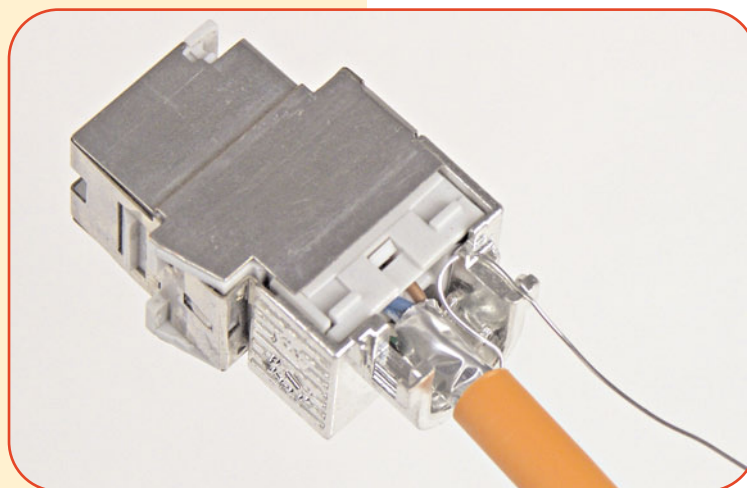
A

Cut of the drainwire (not too short)



A

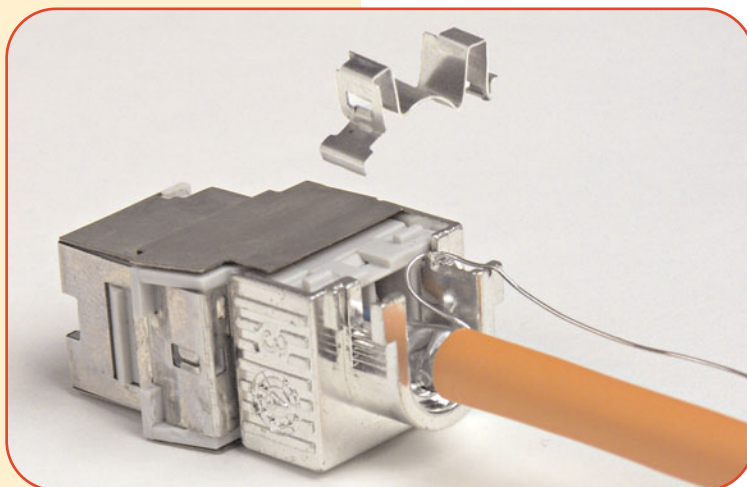
Installation under the clip of the EMC pack.



B

Bend the drainwire around the small tip on the right side of the EMC cover as shown.

Install the EMC clip on the side of the EMC pack.
Make sure that both clip and rear cover make good contact with the foil and the drainwire.



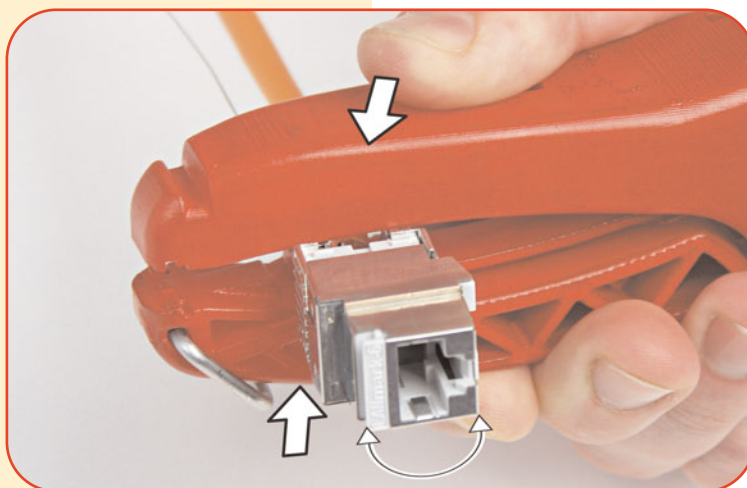
B

If necessary push firmly with the backside of the comfort tool on the clip as shown.



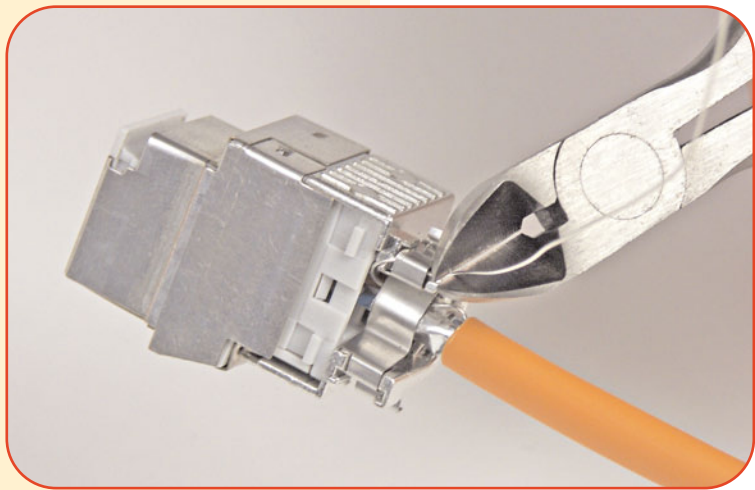
B

If necessary twist the connector slightly while pressing to ensure a correct installation of the EMC clip.



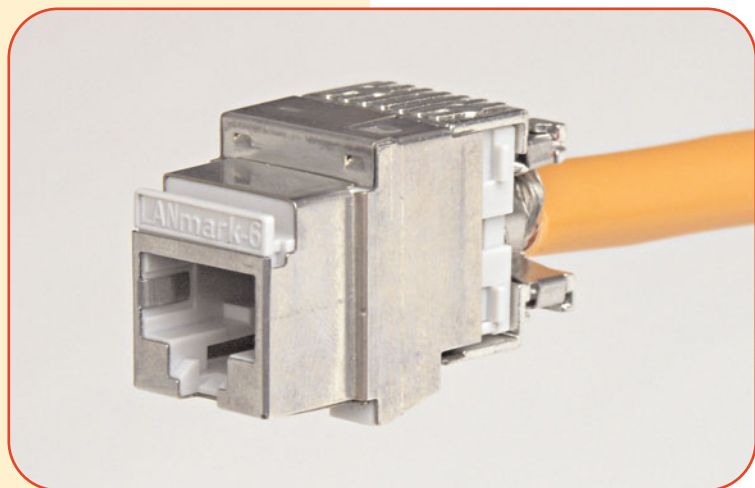
B

Cut of the drainwire



B

The connector is now installed.



An optional key-stone clip can be added on the front of the connector to allow it to be fitted in key-stone format structural hardware.



The Snap-in connector can be re-installed if needed.
First cut the cable short behind the connector.
It is not advised to re-terminate after correcting the wires.

First gently remove the clip of the EMC pack by lifting it at both sides, then slide the EMC pack off the connector body.
The wire organiser can only be removed with the back of the comfort tool.
Place the back of the comfort tool on the sides of the wire organiser.



While pressing the comfort tool pull laterally on the connector body until it is removed from the wire organiser.

The wires can now be removed from the wire organiser. The connector is now ready for a new termination.

