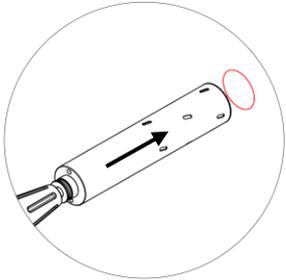




Preparations and instructions for assembly



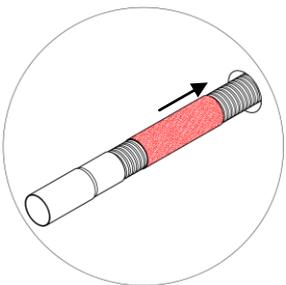
- Establish a hole/core drill hole at the desired position for the respective flexible house infeed and clean the hole.

Dimensional data:

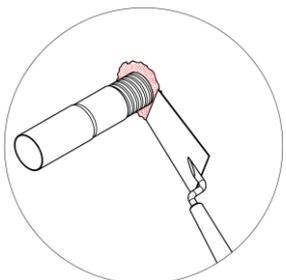
Article designation	Flexible house infeed $\varnothing a$ [mm]	Core drill hole \varnothing [mm]
FHE19/(L)	25	40
FHE30/(L)	37	55
FHE38/(L)	45	65
FHE45/(L)	52	75
FHE65/(L)	75	100
FHE80/(L)	90	120
FHE100/(L)	112	145
FHE110/(L)	125	160

Assembling the flexible house infeed

Building exterior:



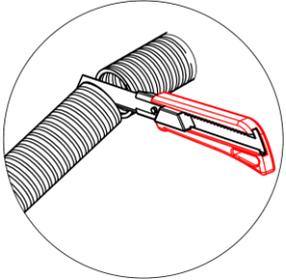
- From the building exterior, feed the protective hose end of the flexible house infeed into the hole.



- Mortar the flexible house infeed in the hole, so that the red lining sits approx. 1 centimetre inside the hole area.



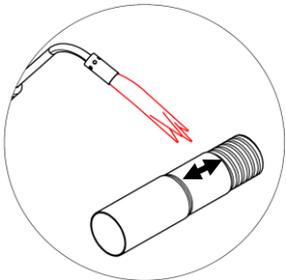
Building interior:



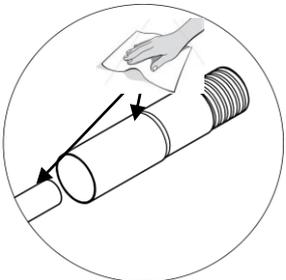
- Once the mortar has bonded, it is possible to trim the flexible house infeed to length inside the building as required.

Attention:

With a flexible house infeed with additional second shrink-on sleeve, a 10 cm overhang of the protective hose is essential on the inside of the building, in order to shrink-fit the shrink-on sleeve.



When using an additional thermal sleeve on the inside of the building, **pre-**shrink onto the protective hose overhang before feeding in the cable (see shrinking with thermal sleeve) and wait until the shrinking area has cooled down before proceeding with shrinking onto the cable.

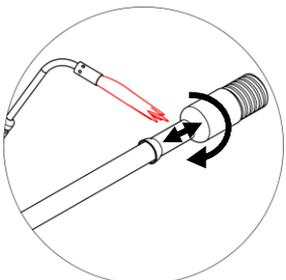


- Insert cable and check for damage.
- Clean dirt on the cable and dirt on the flexible house infeed (UGA cable cleaner KR recommended).

Do not use solvent-based cleaning agents for cleaning.

Shrinking technology

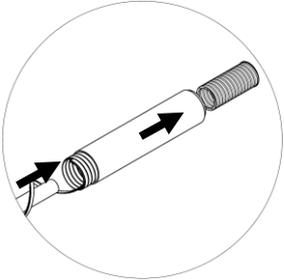
Shrinking with thermal sleeve TM:



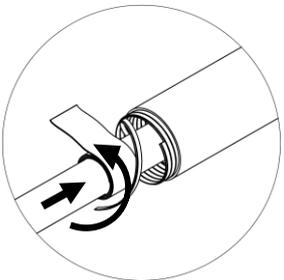
- Shrink thermal sleeve with hot air gun or propane gas burner (**setting: yellow, white flame**) evenly all round onto the cable/pipe, crease-free, so that the hot-melt adhesive emerges evenly out of the thermal sleeve all round.
- During the shrinking process, the flame must be moved constantly in a radial direction, in order to avoid burns due to localised overheating.



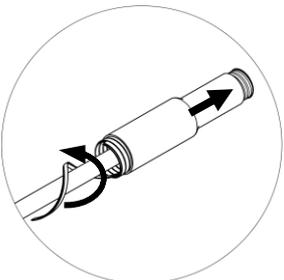
Shrinking with cold shrink-on sleeve KS:



- Slide the cold shrink-on sleeve supplied onto the protective hose and insert cable/pipe.



- In order to avoid leaks due to longitudinal scoring on the cable/pipe fed in, first apply UGA melting adhesive tape "SKB" (**not included in the scope of supply**) in the shrinking area.



- Hold the cold shrink-on sleeve tight, in order to avoid the protective hose sliding when the support spiral is drawn out. Draw out the support spiral fully.
- With temperatures below 5° C, heat the cold shrink-on sleeve to room temperature.

With all connection variants it is necessary to ensure that the cable/pipe to be connected exhibits no damage in the area of the seal.

It is necessary to ensure that no tensile/pressure forces and mechanical loads act on the cable/pipe to be connected, and on the penetration.

Important note:

We accept no warranty claims in case of deviations from the information in the assembly instructions and/or with incorrect use of our products.

This also applies to combinations with external products that have not been approved by us.

General:

Observe the nationally valid installation and filling specifications of the pipe manufacturer!

Compact the substrate and cable foundation well before cable/pipe installation, so that the cables/pipes cannot sink.

Incorrect cable or protection pipe installation and unprofessional filling of the cable trench leads to settling, which can in turn lead to damage.

Only open cable penetrations directly before fitting with cables, in order to avoid unintentional damage during structural work.

You find assembly instructions in other languages on the side www.uga.eu or on inquiry!