

LENGTH CUTTING AND ASSEMBLY INFORMATION FOR TECHNICAL HOSES

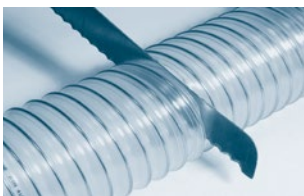


Work safety notes

Work safety regarding working with a knife:

- Always wear cut-resistant gloves
- Arms must be held in parallel position. Do not cross arms while cutting
- Hold the hose a minimum safe distance of 10cm from the cutting tool

Cutting of spirally reinforced plastic hoses



Step 1: Cut through the hose material, preferably with a serrated knife.



Step 2: Snip the supporting spiral with wire pliers.

Cutting of the metal hoses 375 - 377



Step 1: Fix the ends with rivets or by soldering.



Step 2: Lever out the profile with a screw driver.



Step 3: Cutting of the protruding profile with a shear blade or diagonal cutting pliers.

Grounding for protection against electrostatic charging

Effective and permanent grounding of all installation components (including hoses and hose fittings) provides protection against disruption to media flow or ignition of explosive atmospheres. Please note our corresponding data sheet electrostatic charging.



Variant 1: Expose the spiral, bend it to the inside and insert the conductive hose fitting.



Variant 2: Expose the spiral and fix it, for example, by a rivet or screw.

Strip insulation of AIRDUC® hoses



Step 1: Cut hose with a sharp knife along the steel wire.



Step 2: Remove plastic from around the wire with a wire stripper...



...or remove it more convenient with a precision insulation stripper.

Pulling out the earthing wire of NORPLAST® PUR-C/PVC-C AS hoses

The copper grounding wire is integrated into the hose wall between the hard-plastic reinforcing spirals.



Step 1: Cut half of a circumference of the hose wall next to the grounding wire. The grounding wire stays on the residual part of the hose.



(Detail view)

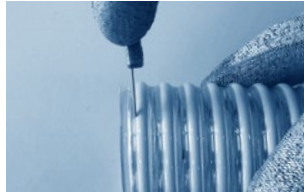


Step 2: Then, cut-off the protruding hard-plastic spiral with a side-cutter.





Step 3: Cut round ¼ of the hose wall next to the wire, leaving the wire in the detached part of the hose wall.



(Detail view)



Step 4: Grip the detached strip of hose wall and pull until the grounding wire is exposed.



Step 5: Separate the grounding wire and hose wall by carefully pulling them apart. Cut off the loose end of the hose wall with the side-cutter.



For grounding, bend the grounding wire into the hose and insert the conductive hose fitting to be earthed.

Notes on electrical grounding:

- The grounding wire should be electrically grounded on both ends of the hose.
- After grounding, measure the electrical resistance between the two grounded hose ends. The electrical and surface resistance should measure $<10^9$ Ohm.
- Please take into consideration any special regulations, local laws or provisions that are applicable to your situation or application.

Leak-proof assembly

A satisfactory seal can be assured when using our specially-developed spiral hose clamps. Leaking media can pose a threat to people and the environment, as well as causing process problems and reduced efficiency.



Leak-proof assembly using our original accessories.



Significant leakage resulting from use of conventional hose clamps.