



Protective silicone cover for heated hoses

Our standard outer jackets with corrugated PA hoses for our heated hoses type ELH... are made of very high-grade polyamide 12 and are suitable for nearly all applications.

For applications in highly aggressive or thermally very harsh environments, or if an easy-to-clean surface is required for hygienic reasons, we recommend an additional protective jacket.

The outer jacket wSI is an additional protective coating for our corrugated PA hoses. The protective coating, approx. 2 mm in thickness, is made of high-grade silicone, which is applied on our standard corrugated PA hose in a special manufacturing process.

Due to the excellent chemical properties of silicone, this composite outer jacket (polyamide / silicone) can also be used in very aggressive environments and is also available upon request as electrically conductive version for application in EX area.

Advantages:

- Very high resistance
- Smooth surface
- Bending does not leave a crease
- Highly flexible
- Additional mechanical protection
- Additional protective thermal jacket
- FDA / BfR-compliant

Applications:

- Sample gas analysis in aggressive environments
- Petrochemical industry
- Food industry
- Pharmaceuticals
- Medical technology

Type ELH/...wSI





Technical Information*

Data

■ Temperature range	-50 to +200 °C
■ Hardness	60 shore
■ Colour	Black, translucent (other colours on request)
■ Available for	NW4-NW16 (other nominal widths on request)
■ Wall thickness	2 mm

*Refers only to the silicone cover. The technical data of the heated hose with composite outer jacket wSI depends on the structure! Please contact us for details and we will be happy to help.

Type ELH/...wSI

Structure:



Protective silicone cover

Corrugated PA hose

Application examples:



Heated sample gas line type ELH/3asbwSI-10°C with black protective outer jacket type wSI



Heated sample gas line type ELH/aewSI-200°C with black protective outer jacket type wSI



Heated pressure hose for a dosing system
For pharmaceutical applications type ELH/mdwSI-100°C-DN10 with black protective outer jacket wSI