

Insulationsleeve

# FITCO® Iso-SIL-Insulationsleeve

Fabricless insulating hose made of silicone rubber.

The insulating hose is talc-coated on the outside. On request it can also be talc-coated on the inside from an inside diameter of 4 mm. It can be supplied annealed or unannealed. Due to its excellent thermal and dielectric properties, as well as its high weathering, ozone and UV resistance, it has a wide range of applications.

**Operating temperature:** - 60°C to + 200°C  
(Special version up to + 250°C)

**Standard color:** Clear  
Colors on request

**Approvals:** According to 60684-3



Description	Inner diameter (mm)	Tolerance ID (mm)	Wall thickness (mm)	Tolerance Wall thickness (mm)
FITCO® Iso-SIL 0.3	0.3	+ 0.10 / - 0.05	0.20	+ 0.15 / - 0.15
FITCO® Iso-SIL 0.5	0.5	+ 0.15 / - 0.10	0.40	+ 0.15 / - 0.15
FITCO® Iso-SIL 0.8	0.8	+ 0.15 / - 0.10	0.50	+ 0.15 / - 0.15
FITCO® Iso-SIL 1.0	1.0	+ 0.20 / - 0.15	0.70	+ 0.15 / - 0.15
FITCO® Iso-SIL 1.5	1.5	+ 0.20 / - 0.15	1.0	+ 0.15 / - 0.15
FITCO® Iso-SIL 2.0	2.0	+ 0.20 / - 0.15	1.5	+ 0.20 / - 0.20
FITCO® Iso-SIL 2.5	2.5	+ 0.20 / - 0.20	2.0	+ 0.20 / - 0.20
FITCO® Iso-SIL 3.0	3.0	+0.20 / -0.20		
FITCO® Iso-SIL 4.0	4.0	+0.20 / -0.20		
FITCO® Iso-SIL 5.0	5.0	+0.20 / -0.20		
FITCO® Iso-SIL 6.0	6.0	+0.25 / -0.25		
FITCO® Iso-SIL 7.0	7.0	+0.25 / -0.25	0.7	+0.15 / -0.15
FITCO® Iso-SIL 8.0	8.0	+0.25 / -0.25		
FITCO® Iso-SIL 10	10	+0.25 / -0.25		
FITCO® Iso-SIL 12	12	+0.25 / -0.25		
FITCO® Iso-SIL 16	16	+0.50 / -0.50		
FITCO® Iso-SIL 20	20	+0.50 / -0.50		
FITCO® Iso-SIL 25	25	+0.50 / -0.50		
FITCO® Iso-SIL 30	30	+0.50 / -0.50		

\*Other sizes on request

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**Packaging:** Endless in rings  
Cut, tempered or printed tubing on request

Properties	Test Method	Typical Value
<b>Mechanical</b>		
Tensile strength	DIN EN 60684	11 MPa (min. 5.5 MPa)
Ultimate elongation	DIN EN 60684	Min. 200 %
<b>Thermal</b>		
Bendability after heat storage and at low temperature	DIN EN 60684	Pass
Flammability	DIN EN 60684 Procedure A	Max. 60s (self-extinguishing)
Thermal class	-	H
<b>Electrical</b>		
Dielectric strength	DIN EN 60684	Per 0.1 mm approx. 1 kV
Volume resistance	DIN EN 60684	Min. 10 <sup>11</sup> M*Ω

**Key Benefits:**

- Cadmium and plasticizer free
- Very high thermal properties
- Excellent cold stability
- Excellent dielectric properties
- Very high weathering, ozone and UV resistance
- Physiological indifference
- Strong, bright colors