



## Fact sheet Glass fabric hose GS.SIK

In accordance with RoHS guideline 2011/65 EU and Reach regulation EG 1907/2006

produced acc.to DIN EN 60684-3-400 to 402 | Insulation class H 180° C

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### Application:

In the manufacture of motors and transformers, for the protection of electrically, thermally and mechanically used components and machines, plants and apparatus construction.

### Structure:

The glass fabric is made of alkali-free e-glass filament. The textile is braided fully covered on our modern braiding machines in our in-house braiding and has a wall thickness depending on the inner diameter of 0,2 mm to 0,8 mm.

In the following process the glass fabric hoses are made fit corresponding to the inner diameter of the hose.

### Imprägnation:

The impregnation is made of high-quality rubber elements which are stable against hydrolysis (PUR/LSR), which is bonded to the glass fabric hose in several steps. The flame-resistant silicone-rubber does not melt and does not liberate toxic gases.

### Eigenschaften:

dielectric strength	4 – 6kV
rated voltage	1,0kV
continuous temperature	+ 180° C
short-term temperature	+ 250° C
resistance to cold	suitable up to -30° C very good cold flexibility In fixed installations it works at lower temperatures.

Halogen-free, ozone- and UV-resistant, resistant to moisture, resistant to commercially available oils and impregnating varnish and is not hazardous to health (psychological indifference)

### Dimensions and Tolerances:

dimension off the inner diameter in mm:

From	0,5	2,1	6,1	8,1	14,1	20,1	25,1
Up to	2,0	6,0	8,0	14,0	20,0	25,0	50,0
Tolerances:	+0,3	+0,4	+0,5	+0,5	+0,8	+1,0	+1,2
Wall thickness:	0,5±1	0,5±1	0,5±1	0,6±1	0,65±1	0,7±1	1,0±2

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### Finishing and colours:

From 0,5mm up to 20,0mm on continuous cardboard spoolsor/and natural (colourless)

0,5mm-8,0mm continuous and/or yard goods  
and in black full-colour impregnated

0,5mm-20,0mm continuous and/or natural (colourless) yard goods and coloured tracer thread in black, red, green, blue, brown, yellow

### Delivery:

The finished hoses are wound on a cardboard spool in adjusted quantities.

Quantities per spool:	0,5 mm – 300 meter	6,5 mm – 250 meter
	1,0 mm – 250 meter	7,0 mm – 200 meter
	1,5 mm – 500 meter	8,0 mm – 100 meter
	2,0 mm – 400 meter	9,0 mm – 100 meter
	2,5 mm – 400 meter	10,0 mm – 100 meter
	3,0 mm – 300 meter	11,0 mm – 100 meter
	3,5 mm – 250 meter	12,0 mm – 100 meter
	4,0 mm – 250 meter	13,0 mm – 100 meter
	4,5 mm – 250 meter	14,0 mm – 100 meter
	5,0 mm – 250 meter	15,0 mm – 100 meter
	5,5 mm – 250 meter	16,0 mm – 100 meter
	6,0 mm – 250 meter	18,0 mm – 100 meter
		20,0 mm – 100 meter

In the diameter range 22,0mm to 50,0mm the glass fabric hoses are only produced and delivered as yard goods with a dielectric strength of 3,3kV.

Packaging units for yard goods:	22,0 mm bis 30,0 mm – 50 meter
	32,0 mm bis 50,0 mm – 25 meter

The packing of glass fabric hoses can also be made on cutting machines. Other constructions and combinations on demand.

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