



SGS

SGS is a halogen-free silicone coated heat treated glass braided sleeve with a continuous operating temperature from -70°C to +235°C. It withstands short-term peaks up to 300°C, is a class 200 insulating sleeve and available in several voltage grades. It is supplied in sizes up to 20mm as standard.

This extremely flexible, silicone rubber coated fibreglass braided jacket is selfextinguishing to VW-1 and offers excellent resistance to oils, fluids and many chemicals. Its thermal and electrical insulating properties make it ideal for applications operating at high temperature with thermal overcharges such as incandescent lamps and domestic appliances. It is also frequently used in wire harnesses, transformer leads, power supplies, motor coil and heater leads. We also supply knitted silicone coated sleeving on enquiry.

Properties	Typical Values	
GENERAL		
Operating temperature	-40°C – + 235°C	
Short-term peak temperature	300°C+	
PHYSICAL		
Mechanical resistance	Good abrasion resistance	
THERMAL		
Flammability	Self extinguishes, halogen- free	IEC 60684 Pt2 Cl26 meth. B, UL 1441
Thermal Classification	Class 200	
Heat shock (4hrs)	7 days at 265°C, 60 days @ 235°C no visible cracking, or detachment or discolouration of coating	UL 1441
Low temperature flexibility (4hrs @ -55°C)	flexibility (4hrs @ -55°C) at -40°C, no visible cracking or detachment of coating	IEC 60684 Pt 2 Cl 14

TECHNICAL DATA

- **OPERATING TEMPERATURE**
-40°C-+235°C
- **FLAME RETARDANT**
Self extinguishing VW-1
- **COLOURS**
Black, White, Red-Brown, Other colours available upon request
- **SIZES**
1. 5mm – 20mm
- **PACKING**
Reels, cut to length, cut sleeves
- **APPROVALS**
IEC 60684-3, UL approval, RoHS Compliant
- **APPLICATIONS / INDUSTRIES** General, Commercial, Electrical, Electronics, Industri-

ELECTRICAL

Dielectric strength	2.5, 4.0 & 7.5kV
---------------------	------------------

CHEMICAL

Chemical resistance	Compatible with most insulating varnishes and transformer oils
---------------------	--

Size (mm)	Nominal wall thickness (mm)	Application range (mm)
0.5	0.5	0.20
0.8	0.8	0.20
1	1.0	0.30
1.5	1.5	0.30
2	2.0	0.30
2.5	2.5	0.30
3	3.0	0.30
3.5	3.5	0.30
4	4.0	0.30
4.5	4.5	0.40
5	5.0	0.40
6	6.0	0.40
7	7.0	0.40
8	8.0	0.45
9	9.0	0.45
10	10.0	0.45
11	11.0	0.45
12	12.0	0.45
13	13.0	0.60
14	14.0	0.60
15	15.0	0.60
16	16.0	0.60

Printasleeve Ltd is as diligent as possible in compiling and updating the above information. It reflects averages derived from product sample testing, is subject to normal manufacturing and testing tolerances and may be changed without notice. Furthermore aesthetic and textural style differences can result in local variation. For specific or further information concerning our products, their specifications and their utilisation please contact us.