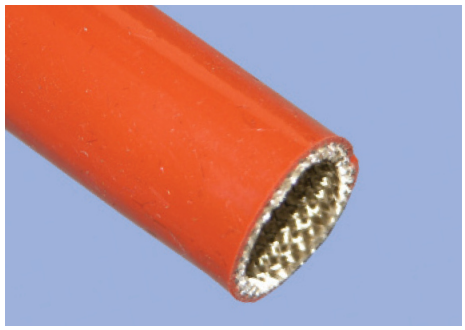
GES 40 and GES 100

GES is a braided fiberglass sleeve with a silicone rubber coating designed to provide electrical insulation. The thickness of the silicone coating determines the dielectric strength, which ranges from 4 to kV. The high flexibility of GES allows relative diametrical expansion.

This product provides electrical insulation for a wide range of industries and applications, including winding, engines and transformer outlets.



Product facts

- UL 1441 (VW-1)
- very flexible
- flame-retardant
- halogen free
- EN 45545-2
- 4kV or 10kV dielectric strength

Property	Test Method	Result
Operating Temperature	MIL std. 1003190C, Type D, Cat. C	-60°C to +220°C continuous
Flame Resistance	UL 1441 (VW1)	Pass
	NF 16.101 – NF 16.102	I2 – F0
	DIN 5510-2 & 54837	S4, SR2 & ST2 (from sizes 12 to 32)
	DIN EN ISO 5659-2	CIT 8 min: 0.024 FED 30 min: 0.020
	EN 45545-2	R22 HL3 R23 HL3
Dielectric measurements	NF Standard C93.641	See table below
Volume resistivity		10^{12} ohms/cm
Resistance to transformer fluids	NF standard C.93641	Pass

Electrical performance

Description	Dielectric strength (mean value)	Minimum dielectric strength
GES 40	4.0 kV	2.5 kV
GES 100	10.0 kV	7.0 kV

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Dimensions in mm

Part Number	Tolerance	Packing unit	Colour
0.50	+/- 0.2	200.00	red-brown
1.00	+/- 0.2	200.00	red-brown
1.50	+/- 0.2	200.00	red-brown
2.00	+/- 0.2	200.00	red-brown
2.50	+/- 0.2	200.00	red-brown
3.00	+/- 0.2	100.00	red-brown
4.00	+/- 0.2	100.00	red-brown
5.00	+/- 0.3	100.00	red-brown
6.00	+/- 0.3	100.00	red-brown
7.00	+/- 0.3	100.00	red-brown
8.00	+/- 0.3	100.00	red-brown
9.00	+/- 0.5	50.00	red-brown
10.00	+/- 0.5	50.00	red-brown
12.00	+/- 0.5	50.00	red-brown
14.00	+/- 0.5	25.00	red-brown
16.00	+/- 0.7	25.00	red-brown
18.00	+/- 1.0	25.00	red-brown
20.00	+/- 1.5	25.00	red-brown
22.00	+/- 1.5	25.00	red-brown
25.00	+/- 2.0	25.00	red-brown

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