

## GVES - Silicon Rubber fiberglass sleeving

GVES is an insulating sleeving produced with a thermal process. The fiberglass is coated with a silicone resin; it is available in three standard voltage: 1500 Volt – 2500 Volt – 4000 Volt. The thermal treatment and the special resins used for this item give the material a very good softness and elasticity, excellent high temperature resistance and good dielectric strength.

### Thermal properties:

Thermal Class: C  
Usage temperature:  
-60°C + 250°C.  
Short time peaks at +290°C

### Packaging:

From 0,5 mm. up to 4 mm.  
200 meters rolls

from 5 mm. up to 16 mm.  
100 meters rolls

### Colour:

Brick red is the standard colour.  
Other colours on request.

Size:

Inside Diameter	Tolerance mm	Wall thickness GVES 1500	Wall thickness GVES 2500	Wall thickness GVES 4000
0,5	+ 0,3 - 0	0,40 ±0,12	0,41 ±0,12	0,50 ±0,15
1		0,40 ±0,12	0,41 ±0,12	0,50 ±0,15
1,5		0,40 ±0,12	0,41 ±0,12	0,50 ±0,15
2		0,40 ±0,12	0,41 ±0,12	0,50 ±0,15
2,5		0,40 ±0,12	0,41 ±0,12	0,50 ±0,15
3		0,50 ±0,12	0,52 ±0,12	0,52 ±0,15
3,5		0,50 ±0,12	0,52 ±0,12	0,52 ±0,15
4		0,50 ±0,12	0,52 ±0,12	0,52 ±0,15
5		0,50 ±0,12	0,52 ±0,12	0,55 ±0,15
6		0,50 ±0,12	0,52 ±0,12	0,55 ±0,15
7		0,50 ±0,12	0,52 ±0,12	0,55 ±0,15
8		0,50 ±0,12	0,52 ±0,12	0,55 ±0,15
9		0,60 ±0,12	0,62 ±0,12	0,65 ±0,15
10		0,60 ±0,12	0,62 ±0,12	0,65 ±0,15
12		0,60 ±0,12	0,62 ±0,12	0,65 ±0,15
14		0,60 ±0,12	0,62 ±0,12	1,12 ±0,15
16	0,60 ±0,12	0,62 ±0,12	1,12 ±0,15	

### Breakdown Voltage:

According to UL 1441


### Applications:

- Domestic appliances
- Motor and transformers connections
- Lamps
- General electrical usage

Main property:

Property	Results
After heating	No cracking or detachment of the coating after 48 hours at 260°C
Low temperature	No cracking or detachment of the coating after 60 minutes at -70°C
Flame propagation	Max 60 sec.

### Certifications:

UL  File E311983  
IEC 60684-3-400/402:2002

The values given above are believed to be accurate and given as a matter of information only. As usage conditions are beyond our control we suggest the customer to confirm values and product compatibility prior to its use. We don't guarantee nor accept any responsibility for any particular usage.





# UL Online Certifications Directory

## UZIQ2.E311983 Sleeving, Flame Retardant - Component

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### Sleeving, Flame Retardant - Component

**ISOLCAVI SAS DI GHIDONI ANNA & C**  
VIA ABITAZIONE 5/1  
40050 MONTEVEGLIO, BO ITALY

E311983

**Silicone varnished fiberglass sleeving**, Cat. Nos. GVES 1500, GVES-2500, GVES 4000 A, GVES 1500 A, GVES 2500 A, GVES 4000, GVES 7000, HT All Colors.

Marking: Company name, catalog designation and "VW-1" on the outside of the spool and on a separate tag on each end of the sleeving, or on the bundling wrapper or on the outside of the container.

[Last Updated](#) on 2007-03-13

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# MATERIAL SAFETY DATA SHEET

## 1 PRODUCT AND COMPANY IDENTIFICATION

Product identification	<b>GVES1500 - GVES2500 - GVES4000</b>
Company Identification	Isolcavi sas di Ghidoni Anna Via Abitazione, 5/1 – 40050 Monteveglio (BO) Italy Tel. +39 051 83.24.85 Fax +39 051 83.26.01

## 2 COMPOSITION / INFORMATION ON INGREDIENTS

Product description: Impregnated or coated insulating fiberglass sleeving, made of glass fibre  
Identification of components:  
- Glass Fibre  
- Impregnating or coating varnish or resin  
Components contributing to the hazard: No hazardous components.

## 3 HAZARD IDENTIFICATION

The product poses, as it is, no known hazard to human health or to the environment.  
See n. 5 for hazards in case of fire.

## 4 FIRST AID

In case of contact with skin: in case of reaction in sensitive individuals, wash with water for several minutes.  
In case of contact with eyes: in case of reaction in sensitive individuals, wash with water for several minutes.  
If swallowed: seek medical advice.  
If inhaled: not specifically concerned.

## 5 FIRE FIGHTING MEASURES

Extinguishing media: powder/Carbon dioxide (CO<sub>2</sub>)/Foam/Water fog  
Extinguishing media not to be used: none  
Auto flammability of components: over 400°C or not applicable  
Special risk resulting from the exposure to combustion gases: this material may release fumes or more or less toxic gases in the event of fire. Exposure to these gases of fumes may pose health risk.  
Special protective equipment for fire-fighting personnel: wear self-contained breathing apparatus.

## 6 MEASURES IN CASE OF ACCIDENTAL LOSS

Individual protective equipment: no special measures required.  
Environmental precautions: no special measures required.  
Clean-up/absorption method: no special measures required.

## 7 HANDLING AND STORAGE

Handling: no special measures required.  
Storage: preferably store far from fire and inclement weather.

## 8 EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure limit for humans: none, in normal working conditions.  
Special measures for reducing exposure: none in normal working conditions.  
Personal protection: do not eat, drink or smoke. Wash hands after handling the material. Keep away from food and beverages. Avoid contact with eyes.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

Form: solid Color: several pH value: not concerned Initial boiling point: not applicable Flash point: not applicable	Explosivity hazard: not explosive Explosivity limits: not applicable Vapour pressure: not applicable Density: not applicable Solubility: not applicable
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## 10 STABILITY AND REACTIVITY

Conditions to avoid: no decomposition if used as prescribed. Materials to avoid: no known during normal working conditions. Hazardous decomposition products: none during normal working conditions.
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## 11 TOXICOLOGICAL INFORMATIONS

Acute toxicity: not concerned. Local effects: in certain sensitive individuals, may cause slight and brief irritation of the skin and ocular mucous membranes. Sensitization: not concerned.
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## 12 ECOLOGICAL INFORMATIONS

Non-biodegradable material. Non-toxic in water. Action on the ozone layer: not available
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## 13 DISPOSAL CONSIDERATIONS

Partially recyclable. Product disposal information: comply with local regulations. Packaging disposal information: comply with local regulations.
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## 14 TRANSPORT INFORMATIONS

Transport is not restricted.
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## 15 REGULATORY INFORMATIONS

This material is not classified as hazardous for the user; respect general rules regarding safe and health.
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## 16 OTHER INFORMATIONS

The product must be used and/or installed by qualified and trained personnel. This MSDS completes the technical data sheets but does not supersede them. The information given herein is based on extent of our knowledge of the product on the publishing date. The information given herein is offered in good faith as accurate. Moreover, users should be aware of the possible hazard incurred when a product is used for any purpose other than its intended use. In no way it relieve the user from knowing and applying all texts governing his/her activity. It is the user's sole responsibility to take the necessary precautions associated with the use of the product. All of the regulatory provisions mentioned are provided to assist the end-user in fulfilling his/her obligations when using a danger product. This list must not be considered as exhaustive. It does not stop the user from making sure that he/she complies with the written obligations other than those previously cited and which rule the fact of keeping and using the product for which hs/she is the sole responsible person.
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