



On request it is possible to supply UL material UZIQ2 – E311983

Breakdown Voltage

GVES4000EXP: min. 4000 V (not expanded)

Thermal class C

Operating temp. -60°C +250°C
Short time peaks +290°C

Packing

0.5-4.0 200 meters
5.0-16.0 100 meters
18-30 50 meters
Diameters range 0.5 - 30

Colors

Brick red is standard color
Other colors on request

GVES4000EXP is conform to Rohs standards

Notes:

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.

GVES4000EXP is an insulating sleeving made of braided fiberglass yarn coated with silicon resin. The special braiding and the special coating allows the diameter to expand up to 60% from original diameter and it is generally softer in comparison to standard GVES. It is recommended for sleeving applications that require a snug fit over irregular shapes.



DIMENSIONS:

Original Diameter	Tolerance on original	Wall thick. GVES4000EXP
0.5	+0.3 - 0	0.50±0.15
0.8	+0.3 - 0	0.50±0.15
1.0	+0.3 - 0	0.50±0.15
1.5	+0.3 - 0	0.50±0.15
2.0	+0.3 - 0	0.50±0.15
2.5	+0.5 - 0	0.50±0.15
3.0	+0.5 - 0	0.52±0.15
3.5	+0.5 - 0	0.52±0.15
4.0	+0.5 - 0	0.52±0.15
4.5	+0.5 - 0	0.55±0.15
5.0	+0.5 - 0	0.55±0.15
5.5	+0.5 - 0	0.55±0.15
6.0	+0.5 - 0	0.55±0.15
7.0	+0.5 - 0	0.55±0.15
8.0	+0.5 - 0	0.55±0.15
9.0	+0.5 - 0	0.65±0.15
10.0	+0.5 - 0	0.65±0.15
12.0	+0.8 - 0	0.65±0.15
14.0	+0.8 - 0	1.12±0.15
16.0	+0.8 - 0	1.12±0.15
18.0	+1.0 - 0	1.15±0.15
20.0	+1.0 - 0	1.15±0.15

Main Properties:

Properties	Result
Heating test Resistance	After 48 hours at 260°C there is no cracking or detachment of the coating silicon. The original color should be clearly recognizable
Flame resistance	Accordin to UL 1441 the sleeving in vertical position is self extinguishing
Humidity resistance	There is no softening of the sleeve
Low temp. resistance	After 60 minutes at -70°C no cracking or detachment must be visible
Chemical resistance	Can resist to impregnation varnishes and resins normally used in motors and transformers manufacturing
Special features	In normal conditions GVES4000EXP can expand the original diameter up to 60% the original



ISOLCavi GVES - EXP