

**RELATS**

relats, sa Tel. (34) 93 862 75 10 - Fax (34) 93 865 48 50

REVITEX**VSC****THERMAL AND ELECTRICAL INSULATING SLEEVINGS****Specifications:**IEC 60684-3 sheets 400-402
UL 1441**Applications:**

Ideal thermal and electrical insulating material for points and appliances at high temperatures with thermal overcharges (incandescent lamps, domestic appliances, carbon brush flexible), chemical resistance and dielectric strength of silicone elastomer. It exhibits exceptional high and low temperature properties.

Put up:

In coils of variable length, depending on the diameter of the sleeving. On request in cut lengths or spools.

Handling:

Care should be taken to minimise dust formation during handling and cutting this glass based material as dust or broken particles may cause skin irritation. The use of barrier creams on exposed areas will minimise the risk of skin irritation. For product safety data and product disposal advice, see separate Safety Data Sheet.

NOTES:

This information and data is believed to be accurate and reliable. We place at your disposal the technical information necessary for the correct use of our products and offer the possibility of simulating in our laboratory the conditions of many applications, in order to advise on the suitability of our products. As conditions and methods of use are beyond our control, the user must confirm suitability before adopting our products for commercial use. We reserve the right to modify characteristics with the aim of improving the product and adapting it to the requirements of the market.

Description:

Sleeving made of a special silicone rubber coated fibreglass braid. This is a Class 200 electrical insulating sleeving available in three voltage grades. Additionally, a UL approved grade is manufactured (see separated Data).

Its major features are:

- Halogen free.
- Self extinguishing VW 1.
- Highly flexible.
- Excellent chemical resistance to oils, fluids and aggressive chemical agents.

Operating temperature: -70°C to +235°C. Peaks at +300°C.**DIELECTRIC STRENGTH**

Test	Method	VSC15		VSC25		VSC40	
		1,5 kV grade		2,5 kV grade		4,0 kV grade	
		Minimum	Average	Minimum	Average	Minimum	Average
IEC 60684	250 mm. inst. B / D Central Value (kV)	2,0	2,5	3,0	4,0	5,0	6,0
IEC 60684	250 mm. inst. B / D Lowest Value (kV)	1,5	2,0	2,5	3,5	4,0	5,0
UL 1441	25 mm. inst. B / D (kV)	2,5	3,0	4,0	4,5	5,0	6,5

TECHNICAL CHARACTERISTICS

Property	Test	Result
HEAT RESISTANCE	UL 1441: 7 days at 265°C 60 days at 235°C	No cracking or detachment of coating shall be visible and the original colour shall be clearly recognisable.
FLAMMABILITY	Flame propagation IEC 60684 Part 2 Clause 26 Method B Vertical without mandrel	Extinguishes within 60 seconds.
	UL 1441	Self extinguishing VW-1 (sleeving in vertical position)
COLD RESISTANCE	Bending at low temperature IEC 60684 Part 2 Clause 14 At -70°C	No cracking or detachment of coating shall be visible.
CHEMICAL RESISTANCE	Simulation of real operating conditions	Compatible with most insulating varnishes and transformer oils.

DIMENSIONS

Nominal bore (mm)	Bore tolerance (mm)	Minimum wall Thickness (mm)			Standard Put up
		VSC15	VSC25	VSC40	
0,5 — 0,8	+ 0,20	0,20	0,25	0,35	400
1,0	+ 0,20	0,30	0,35	0,45	400
1,5 — 3	+ 0,20	0,30	0,35	0,45	200
3,5 — 4	+ 0,30	0,30	0,35	0,45	200
5 — 6	+ 0,30	0,40	0,45	0,55	200
7 — 8	+ 0,30	0,40	0,45	0,55	100
9 — 10	+ 0,50	0,40	0,45	0,55	100
11 — 13	+ 0,50	0,45	0,55	0,65	100
14 — 15	+ 0,50	0,55	0,65	0,75	50
16 — 18	+ 1,0	0,55	0,65	0,75	50
19 — 20	+ 1,0	0,55	0,65	0,75	50
21 — 22	+ 1,0	0,75	0,85	0,95	25
23 — 25	+ 1,0	0,80	0,90	1,00	25

REVITEX VSC
Glass textile substrate with silicone rubber coating.

VSC

REVITEX VSC
Standard colours:
Black and redbrown.
(other colours on request).