

SLEEVINGS FOR THERMAL, ELECTRICAL, MECHANICAL & EMI APPLICATIONS



UL and cUL
recognized
File: nº E 121222



REVITEX
VSC 75

SPECIFICATIONS:

- IEC 60684 sheets 400-402
- UL 1441

APPLICATION:

Ideal thermal and electrical insulating material for points and appliances operating at high temperatures with thermal overcharges (incandescent lamps, domestic appliances, carbon brush flexible). This sleeving combines the good mechanical resistance of fiberglass braid with the flexibility, chemical resistance and dielectric strength of silicone elastomer. It exhibits exceptional high and low temperature properties.

DESCRIPTION:

Sleeving made of a special silicone rubber coated fiberglass braid, Grade A (7000V), UL and cUL recognized under file n. E121222. This is a Class 200 electrical insulating sleeving, rated 200°C and 600V.

OPERATING TEMPERATURE: -40°C to +235°C
Peaks at +300°C

ITS MAIN FEATURES ARE:

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

NOTE: Colour tone may vary. This does not affect technical properties of sleeve.

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PUT UP:

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

HANDLING:

Care should be taken to minimize 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 minimize 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.

DIELECTRIC STRENGTH:

TEST	METHOD	Guaranteed values	Values obtained in the UL test report
UL 1441	At room temperature, before thermal ageing	8,0 kV	10,4 kV
UL 1441	After 7 days at 265°C	6,5 kV	12,8 kV
UL 1441	After 60 days at 235°C	6,5 kV	12,8 kV

TECHNICAL CHARACTERISTICS:

PROPERTY	TEST	RESULT
HEAT RESISTANCE	UL 1441: 7 days at 265°C 60 days at 235°C 1 hour at 300°C	No cracking or detachment of coating shall be visible and the original colors shall be clearly recognizable.
FLAMMABILITY	Flame propagation IEC 60684 Part 2 Clause 26 Method B Vertical without mandrel UL 1441	Extinguishes within 60 seconds. Self-extinguishing VW 1 or FT-1 (sleeving in vertical position)
COLD RESISTANCE	Bending at low temperature IEC 60684 Part 2 Clause 14 at -40°C UL 1441 (cold bend test)	No cracking or detachment of coating shall be visible. No cracks after 1 hour at -30°C
HUMIDITY RESISTANCE	336 hours at +70°C	No softening
CHEMICAL RESISTANCE	Resistance to hydrocarbons (UL1441): After 96 h. at +100°C in ASTM oil n.2 After 1440 h. at +80°C in ASTM oil n.2 Resistance to impregnation varnishes and resins (UL1441)	16.000 V. 16.200 V Excellent

DIMENSIONS:

REFERENCE	Nominal bore (mm)	Bore tolerance (mm)	Wall thickness (mm)	STANDARD PACKAGING (m)
VSC75__005	0.5	± 0.20	0.28	200
VSC75__010	1.0	± 0.30	0.38	200
VSC75__015	1.5	± 0.30	0.38	200
VSC75__020	2.0	± 0.30	0.38	200
VSC75__025	2.5	± 0.30	0.46	200
VSC75__030	3.0	± 0.30	0.46	200
VSC75__035	3.5	± 0.30	0.46	200
VSC75__040	4.0	± 0.40	0.51	200
VSC75__050	5.0	± 0.50	0.51	100
VSC75__060	6.0	± 0.50	0.51	100
VSC75__070	7.0	± 0.50	0.51	100
VSC75__080	8.0	± 0.60	0.64	100
VSC75__100	10.0	± 0.60	0.64	100
VSC75__120	12.0	± 0.60	0.64	50
VSC75__140	14.0	± 0.70	0.64	50
VSC75__160	16.0	± 0.70	0.64	50
VSC75__180	18.0	± 0.70	0.64	50
VSC75__200	20.0	± 0.90	0.64	50
VSC75__220	22.0	± 0.90	0.64	25
VSC75__250	25.0	± 0.90	0.64	25

NOTE: Standard color: Black, White and Red-brown
Other diameters supplied upon request

UL: (U.S.R.) United States Recognized. • cUL: (C.N.R.) Canadian National Standards Recognized.

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