



# Vidaflex - SVFG

Silicon Rubber Coated Fibre Glass Sleeves

## Class 180 Insulating Sleeveings

1.5KV 2.5 KV 4 KV 7 KV 10 KV

### Features

- No Tackiness
- Smooth and Shiny Surface
- Operating Temp (-40 to 180°C)
- Uniform Diameter
- Halogen Free
- Highly Flexible
- Good Varnish Stability
- Sleeves with expandability is available
- Continous Length results in minimal wastage
- Compatible with Insulating Varnish and Insulation System
- Excellent Resistance to Ozone and Ultraviolet Radiation

### Description

Vidfex SVFG Series insulating sleeveings is a coated fiberglass sleeving made by applying high performance flexible silicon rubber on a closely and neatly braided electrical grade fiberglass sleeves. The insulating sleeves is made using latest technolgy and machinery.

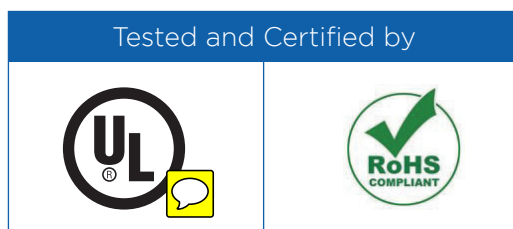
The glass fiber increases the mechanical strength and abrasion resistant property.

The supreme properties of our sleeves enhance the durability of the electrical machines and equipments and keeps the life of the machines healthier.

Vidfex SVFG HD is a heavy duty sleeve made using similar process as SVFG series with higher silicon rubber content and on thick glass braid which makes it high resistant to fray and coating fracture even when stretched over rectangular conductor or wires larger then the normal maximum inside diameter for high stress application.

In addition in having class 180°C rating its brittle point of -40°C suggests it's use in wide range of application requiring resistant to temperature extremes.

Vidfex SVFG is recognised by Underwriting Laboratories under UL file and RoHS



# Technical Data Sheet

## Applications

Vidfex SVFG Silicon Sleeving is used for protection & lead insulation of electrical appliances, electrical motors, alternators, dry type transformers, lamps, automobile, marine, aerospace, wireharness protection ,electrical and electronic such as Inductors,carbon brush, E Vehicles,Stater Motors, coils, relays, enviromental instruments & others where 180°C thermal rating is required.

It may also be stacked or telescoped with the same or other electrical insulating materials to obtain higher electrical values.

In addition it finds application in die casting & plastic moulding where heavy duty insulation is required due to high heat.

## Properties

Physical Properties	Unit	Grade A	Grade B	Grade C	Grade D	Grade E
Diameter	mm	0.5-2.5	0.5-2.5	0.5-2.5	0.5-2.5	0.5-2.5
Tolerance	mm	+/- 0.25	+/- 0.25	+/- 0.25	+/- 0.25	+/- 0.25
Diameter	mm	3.0-8.0	3.0-8.0	3.0-8.0	3.0-8.0	3.0-8.0
Tolerance	mm	+/- 0.50	+/- 0.50	+/- 0.50	+/- 0.50	+/- 0.50
Diameter	mm	9.0-18.0	9.0-18.0	9.0-18.0	9.0-18.0	9.0-18.0
Tolerance	mm	+0.80/-0.20	+0.80/-0.20	+0.80/-0.20	+0.80/-0.20	+0.80/-0.20
Diameter	mm	19.0-30.0	19.0-30.0	19.0-30.0	19.0-30.0	19.0-30.0
Tolerance	mm	+1.00/-0.20	+1.00/-0.20	+1.00/-0.20	+1.00/-0.20	+1.00/-0.20
Wall Thickness	mm	Upto 30	Upto 30	Upto 30	Upto 30	Upto 30
Chemical						
Flexibility		Excellent	Excellent	Excellent	Excellent	Excellent
Compatibility with Impregnating Varnish		Good	Good	Good	Good	Good
At Room Temperature		No sign of crack & detachment				
At 200°C for 24 Hours		No sign of crack & detachment				
Breakdown Voltage in Air	Kv	≥10	≥7	≥4	≥2.5	≥1.5
Breakdown Voltage at Max operating Temperature	Kv	≥9	≥6	≥3	≥1.5	≥1.2
Insulation Resistance in Normal Conditions	M-Ohms	≥100	≥100	≥100	≥100	≥100
Flame Resistance	Sec	VW-1	VW-1	VW-1	VW-1	VW-1
Self Extinguishing		Shall cease to burn within 60 secs				
Thermal Class		H (180)	H (180)	H (180)	H (180)	H (180)
Thermal Stability at 250° C for 24 hours		No sign of crack, detachment & resin oozing				

# Technical Data Sheet

## Availability

Diameter: 0.5 mm to 30 mm

Length: Continuous

Color: Black, White & Natural. Other colors available on request

Standard Packing: In Coils & Spools



## Test Method

BS 2848-1973

IEC-60394-2

UL 1441

## Shelf Life

Unlimited

## Storage

In Cool, Dry and clean place away from fire, heat and sunlight.

## Health & Safety

Vidfex is non toxic. All hygiene and safety standards should be followed while using.

## Disclaimer

All information, recommendations and test data herein are offered only as a guide. We believe them to be accurate but do not guarantee results, freedom from patent infringement, suitability of this product for any resultant application

