

KIRAN VG 501



QUALITY CERTIFICATIONS

POLYVINYL CHLORIDE COATED FIBERGLASS SLEEVING

Fiberglass sleeving impregnated with Polyvinyl chloride varnish is used where reliable heat resistance & dielectric strength is required. The product available in different grades with varying Dielectric Strength upto 3000 Volts as per applications, consisting an inner wall layer made out of Fiberglass Yarn that is Braided and Coated with Polyvinyl. KIRAN VG - 501 B Class sleeving is recommended as a universal coated sleeving for all thermal requirements of Class 130°C. The sleeving is compatible with most insulating varnishes and is capable of short-thermo operation above its thermal classification.

They are used in electric equipments such as Generators, Transformers, Electric Motors, Lightening, Home Appliances, Circuits and Control of various instruments.

PARAMETERS	DETAILS
Thermal Class	"B" Class
Thermal Temp.	-20° C to +130° C
Inner Diameter	1.0mm to 40.0mm
Color	Black, Yellow
Grade & Dielectric Strength	A - 3000 Volts
	B - 3000 Volts
Length	Continuous or Customized cut lengths available on request.

I. FEATURES :

- Free of environmentally hazardous and contaminating chemicals, completely different from conventional polyurethane coating.
- Extremely flexible and smooth finish.



MANUFACTURING STANDARD

BSI
British Standards



II. UNIQUE PROPERTIES

- Very Flexible
- Good Mechanical Protection.
- Extreme Soft Material.
- Excellent Resistance to Ageing.
- Oil Resistance.

III. TYPICAL APPLICATION

- Wiring Harness.
- TV Sets.
- Domestic Home Appliances.
- Relays, Radio Circuits.
- Mechanical Protection for "B" Class Electrical Machinery.

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IV. TECHNICAL CHARACTERISTICS :

SL. No.	Property	Test	Result
1	Heat Resistance	Bending before and after Heating as per BS 2848:1973.	No Cracking or detachment of coating shall be visible and the original colors shall be clearly recognized.
2	Rate of Burning	Flame Propagation : As per BS 2848 : 1973	Passes.
3	Chemical Resistance	Simulation of real operating conditions.	Compatible with most insulating varnishes.
4	Flexibility		Passes. There are neither cracks to be observed on the surface of the sleeving, nor does the varnish film come off.
5	Insulation Resistance	At room Temp. as per BS 2848:1973	Min. 10^4 M Ω

V. DIMENSIONS as per BS 2848 :

Part No.	Nominal Bore (AWG)	Nominal Bore (mm)	Bore Tolerance (mm)	Minimum Wall Thickness (mm)	Standard Packing (Mtrs)
1 VG501	AWG # 18	1	± 0.15	0.35	100
2 VG501	AWG # 12	2	± 0.15	0.45	100
3 VG501	AWG # 09	3	± 0.15	0.45	100
4 VG501	AWG # 06	4	± 0.15	0.45	100
5 VG501	AWG # 04	5	± 0.15	0.45	100
6 VG501	AWG # 03	6	± 0.15	0.45	100
7 VG501	AWG # 01	7	± 0.15	0.5	100
8 VG501	AWG # 00	8	± 0.15	0.5	100
9 VG501	AWG # 1/0	9	± 0.15	0.5	100
10 VG501	AWG # 2/0	10	± 0.15	0.5	100
12 VG501	AWG # 3/0	12	± 0.30	0.7	50
14 VG501	AWG # 250	14	± 0.30	0.7	50
16 VG501	AWG # 300	16	± 0.30	0.7	50
18 VG501	AWG # 400	18	± 0.30	0.7	50
20 VG501	AWG # 500	20	± 0.50	0.7	50
22 VG501	AWG # 600	22	± 0.50	0.7	25
25 VG501	AWG # 750	25	± 0.50	0.7	25

** Other diameters supplied upon request.