KIRAN PVG 301

QUALITY CERTIFICATIONS

POLYURETHANE COATED FIBERGLASS SLEEVING

Fiberglass sleeving impregnated with Polyurethane varnish is used where reliable heat resistance & dielectric strength is required. The product available in different grades with varying Dielectric Strength upto 4000 Volts as per applications, consisting an inner wall layer made out of Fiberglass Yarn that is Braided and Coated with Polyurethane. KIRAN PVG - 301 F Class sleeving is recommended as a universal coated sleeving for all thermal requirements of Class 155° 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.

I. FEATURES :

- Free of environmentally hazardous and contaminating chemicals, completely different from conventional polyurethane coating.
- Tough, highly flexible, reliable with smooth finish.
- Excellent compatibility with Class F impregnating resins and varnishes.
- Solvent free.

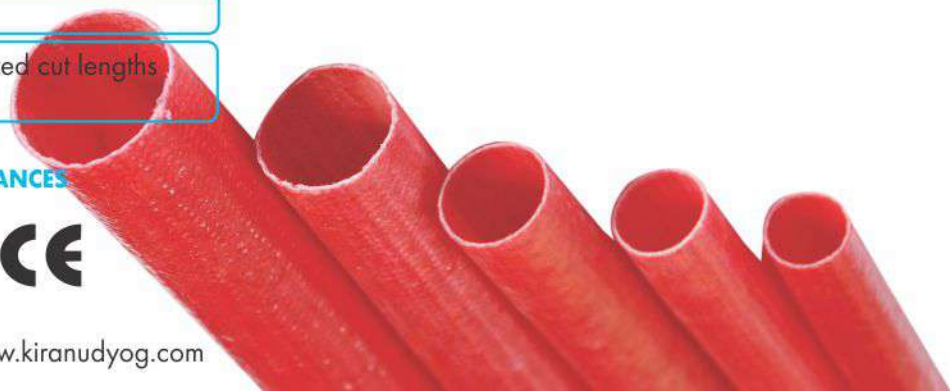
PARAMETERS	DETAILS
Thermal Class	"F" Class
Thermal Temperature	0° C to +155° C
Inner Diameter	1.0mm to 40.0mm
Color	Natural, Black
Grade & Dielectric Strength	A - 4000 Volts
	B – 3000 Volts
	C – 2500 Volts
Length	Continuous or Customized cut lengths available on request.

II. UNIQUE PROPERTIES

- Incombustible in Nature.
- Good Compatibility with Class F Impregnation Varnish.
- Excellent Resistance to Ageing.
- Oil Resistant.

III. TYPICAL APPLICATION

- Two & Four Wheeler Wiring Harness
- Alternator Core Winding
- Oil Filled Transformers Lead Wire Protection
- Relays, radio circuits
- Class "F" Motor and Generator Lead Wire Protection.



MANUFACTURING STANDARD

IEC JIS

PRODUCT COMPLIANCES

RoHS COMPLIANT REACH COMPLIANT CE

KIRAN

IV. TECHNICAL CHARACTERISTICS :

SL. No.	Property	Test	Result
1	**Heat Resistance**	Bending after heating IEC 60684 part 2 Clause 13.	No Cracking or detachment of coating shall be visible and the original colors shall be clearly recognized.
2	**Flammability**	Flame Propagation : IEC 60684 part 2 Clause 26 Method A Horizontal with Mandrel	Passes horizontal flame test.
3	**Cold Resistance**	Bending at Low temperature IEC 60684 part 2 clause 14	No Cracking or detachment of coating shall be visible
4	**Chemical Resistance**	Simulation of real operating conditions.	Compatible with most insulating varnishes.
5	**Flexibility**		Passes. There are neither cracks to be observed on the surface of the sleeving, nor does the varnish film come off.
6	**Insulation Resistance**	At room Temp. as per IEC 60684	Min. 10^3 MΩ

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V. DIMENSIONS as per IEC 60684 :

Part No.	Nominal Bore (AWG)	Nominal Bore (mm)	Bore Tolerance (mm)	Minimum Wall Thickness (mm)	Standard Packing (Mtrs)
1 PVG301	AWG # 18	**1**	± 0.30	0.25	100
2 PVG301	AWG # 12	**2**	± 0.40	0.25	100
3 PVG301	AWG # 09	**3**	± 0.50	0.35	100
4 PVG301	AWG # 06	**4**	± 0.50	0.5	100
5 PVG301	AWG # 04	**5**	± 0.50	0.5	100
6 PVG301	AWG # 03	**6**	± 0.50	0.5	100
7 PVG301	AWG # 01	**7**	± 0.50	0.5	100
8 PVG301	AWG # 00	**8**	± 0.60	0.5	100
9 PVG301	AWG # 1/0	**9**	± 0.60	0.5	100
10 PVG301	AWG # 2/0	**10**	± 0.60	0.65	100
12 PVG301	AWG # 3/0	**12**	± 0.60	0.65	50
14 PVG301	AWG # 250	**14**	± 1.00	0.65	50
16 PVG301	AWG # 300	**16**	± 1.00	0.65	50
18 PVG301	AWG # 400	**18**	± 1.00	0.65	50
20 PVG301	AWG # 500	**20**	± 1.00	0.65	50
22 PVG301	AWG # 600	**22**	± 1.00	0.65	25
25 PVG301	AWG # 750	**25**	± 1.00	0.65	25

** Other diameters supplied upon request.

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