

KIRAN VPI 155



QUALITY CERTIFICATIONS

VPI ACRYLIC COATED FIBERGLASS SLEEVING

UL recognized component under UL File No. # E491961, Acrylic Coated Fiberglass Braided Sleeving are precisely engineered sleeving are flexible with an outer layer of E glass Fiberglass braid. The outer fiberglass braid is lightly treated with acrylic resin to prevent fray, improve abrasion resistance and allow coating by the VPI resin.

KIRAN VPI - 155 is used for applications which require VPI processes and higher temperatures. It can be used for high voltage transformers as well as for aerospace and aircraft wiring leads. VPI-155 sleeving allows for expansion to fit over difficult joints and terminals.

I. FEATURES :

- KIRAN VPI - 155 with an over braided glass jacket.
- Lightly treated with acrylic resin to prevent end fray and improve abrasion resistance.
- Resistant to most acids and most organic solvents.

PARAMETERS	DETAILS
Thermal Class	"F" Class
Thermal Temp.	-30° C to +155° C
Inner Diameter	2mm to 20.0mm
Color	Available in different colors on request
Grade & Dielectric Strength	A - 7000 Volts B - 4000 Volts
Length	Continuous or Customized cut lengths available on request.

II. UNIQUE PROPERTIES

- Superior Electrical Properties.
- Excellent Low Temperature Flexibility.
- Chemical Resistance.
- Extreme Abrasion Resistance.
- Oil Resistance.
- Longer Shelf Life.

III. TYPICAL APPLICATION

- Aero Space and Aircraft Wiring.
- Wind Turbines, Solar Panels and Alternator Core Winding.
- High Voltage Transformers.
- Heat Generating Appliances.
- VPI Application.

MANUFACTURING STANDARD



PRODUCT COMPLIANCES





IV. TECHNICAL CHARACTERISTICS :

SL. No.	Property	Test	Result
1	Heat Resistance	Bending after heating IEC 60684 part 2 Clause 13, 48hrs at +155°C	No Cracking or detachment of coating shall be visible and the original colors shall be clearly recognized.
1.a		UL 1441 – 60days at +190°C	Dielectric Strength after ageing : average break down voltage 5000Volts
2	Flammability	Flame Propagation : IEC 60684 part 2 Clause 26 Method A Vertical with Mandrel	Self Extinguish (within 60 Sec).
2.a		UL 1441 Vertical with Mandrel	Passes
3	Cold Resistance	Bending at Low temperature IEC 60684 part 2 clause 14 at -70°C	No Cracking or detachment of coating shall be visible
3.a		UL 1441 -1Hr at -10°C	No Cracking
4	Chemical Resistance	Simulation of real operating conditions	Compatible with most insulating varnishes.
5	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)
2 AG701	AWG # 12	2	± 0.20	0.25	100
3 AG701	AWG # 09	3	± 0.40	0.35	100
4 AG701	AWG # 06	4	± 0.40	0.5	100
5 AG701	AWG # 04	5	± 0.50	0.5	100
6 AG701	AWG # 03	6	± 0.50	0.5	100
7 AG701	AWG # 01	7	± 0.50	0.5	100
8 AG701	AWG # 00	8	± 0.50	0.5	100
9 AG701	AWG # 1/0	9	± 0.50	0.5	100
10 AG701	AWG # 2/0	10	± 0.50	0.65	100
12 AG701	AWG # 3/0	12	± 0.50	0.65	50
14 AG701	AWG # 250	14	± 0.50	0.65	50
16 AG701	AWG # 300	16	± 1.00	0.65	50
18 AG701	AWG # 400	18	± 1.00	0.65	50
20 AG701	AWG # 500	20	± 1.00	0.65	50

** Other diameters supplied upon request.

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