

ACRYLIC RESIN COATED FIBERGLASS SLEEVING

UL File No. # E491961

UL recognized component under UL File No. # E491961, Acrylic Coated Fiberglass Braided Sleeveing are precisely engineered sleeveing with high Dielectric Strength capabilities. The product available in different grades with varying Dielectric Strength upto 7000 Volts as per applications, consisting an inner wall layer made out of Fiberglass Yarn that is Braided and Coated with Acrylic Resin. KIRAN Acrylic - F sleeveing is recommended as a universal coated sleeveing for all thermal requirements from -30°C through 155°C. The sleeveing is compatible with most insulating varnishes and is capable of short-thermo operation above its thermal classification.

These Sleeveings in nature are extremely flexible and very easy to use. They are used in electric equipments such as Generators, Transformers, Electric Motors, Lightening, Home Appliances, Circuits and Control of various instruments, Breaker Panels, Switches and Welding Equipments.

I. FEATURES :

- Highly craze resistant. Withstands severe bending with no loss of dielectric properties.
- Coating film will not flow upon application of heat.
- Extremely tough and flexible. Able to withstand assembly handling, cut-through and mechanical stress.
- Resistant to most acids and most organic solvents.

KIRAN

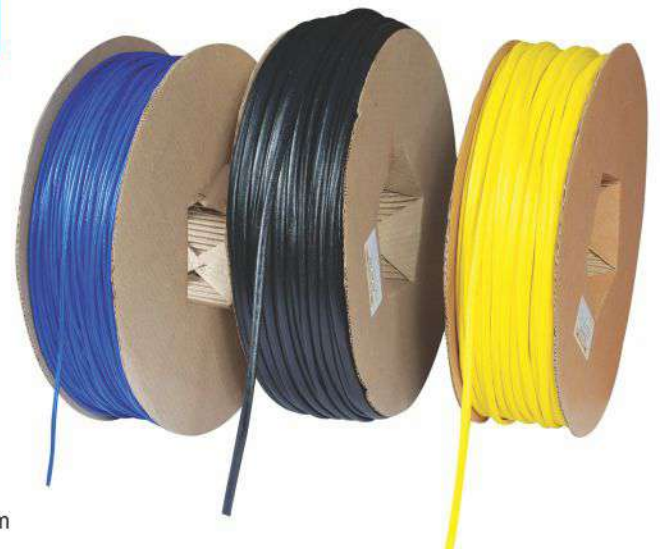
PARAMETERS	DETAILS
Thermal Class	"F" Class
Thermal Temperature	-30° C to +155° C
Inner Diameter	0.5mm to 40.0mm
Color	Available in different colors on request
Grade & Dielectric Strength	A - 7000 Volts
	B - 4000 Volts
	C - 2500 Volts
	C1 - 1500 Volts
Length	Continuous or Customized cut lengths available 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

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



MANUFACTURING STANDARD



PRODUCT COMPLIANCES



IV. TECHNICAL CHARACTERISTICS :

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SL. No.	Property	Test	Result
1	Heat Resistance	Bending after heating IEC 60684 part 2 Clause 13, 48hrs at +180°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

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 AG701	AWG # 18	1	± 0.20	0.25	100
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
22 AG701	AWG # 600	22	± 1.00	0.65	25
25 Ag701	AWG # 750	25	± 1.00	0.65	25

** Other diameters supplied upon request.