

KIRAN SRG 002



QUALITY CERTIFICATIONS

SILICON RESIN COATED FIBERGLASS SLEEVING

IEEMA UL File No. # E318161

IEEMA UL recognized component under UL File No. # E318161, Silicon Resin Coated Fiberglass Sleeve are flexible, conforming to wires and connections, keeping its elasticity in a range between -60°C to +180°C. It can also stand up to +220°C for a short while.

KIRAN SRG-002 is the ideal insulation where sharp bends are encountered or the ability to expand over irregular shaped parts is required. It is typically used as a protective covering for automotive wiring harnesses and ABS brake wiring also used for aerospace and aircraft wiring leads as well as for heat generating appliances such as coffee pots, hair dryers, toasters, etc. KIRAN SRG 002 can also be used for covering leads on extrusion plastic molding, die casting machinery and presses.

I. FEATURES :

- Good abrasion and radiation resistance.
- Aero space and Atomic energy applications.

PARAMETERS	DETAILS
Thermal Class	"H" Class
Thermal Temperature	-60° C to +180° C
Sizes	0.50mm to 40.0mm
Color	Available in different colors on request
Grade & Dielectric Strength	A - Above 7000 Volts
	B - 4000 Volts
	C - 2500 Volts
	C1 - 1500 Volts
	C2 - Less than 1500 Volts
Length	Continuous or Customized cut lengths available on request.

II. UNIQUE PROPERTIES

- Superior Electrical Properties.
- Good Expandability and Flexibility
- Chemical Resistant
- Extreme Abrasions Resistant.
- Oil Resistant
- Self Extinguishable.

III. TYPICAL APPLICATION

- Two & Four Wheeler Wiring Harness
- Alternator Core Winding
- Transformers Lead Wire Protection
- Carbon Brush Wiring Protection.
- Motor and Generator Lead Wire Protection.

MANUFACTURING STANDARD



PRODUCT COMPLIANCES



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IV. TECHNICAL CHARACTERISTICS :

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.
2	Flammability	Flame Propagation : IEC 60684 part 2 Clause 26 Method A Vertical with Mandrel	Self Extinguish (within 60 Sec).
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
4	Chemical Resistance	Simulation of real operating conditions	Compatible with most insulating varnishes.
5	Insulation Resistance	At room Temp. as per IEC 60684	Min. 10^5 M Ω
		After damp Test as per IEC 60684	Min. 10^4 M Ω



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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)
0.5 SRG001	AWG # 24	0.5	± 0.20	0.25	100
1 SRG001	AWG # 18	1	± 0.20	0.25	100
2 SRG001	AWG # 12	2	± 0.40	0.25	100
3 SRG001	AWG # 09	3	± 0.40	0.35	100
4 SRG001	AWG # 06	4	± 0.50	0.5	100
5 SRG001	AWG # 04	5	± 0.50	0.5	100
6 SRG001	AWG # 03	6	± 0.50	0.5	100
7 SRG001	AWG # 01	7	± 0.50	0.5	100
8 SRG001	AWG # 00	8	± 0.50	0.5	100
9 SRG001	AWG # 1/0	9	± 0.50	0.5	100
10 SRG001	AWG # 2/0	10	± 0.50	0.65	100
12 SRG001	AWG # 3/0	12	± 0.50	0.65	50
14 SRG001	AWG # 250	14	± 1.00	0.65	50
16 SRG001	AWG # 300	16	± 1.00	0.65	50
18 SRG001	AWG # 400	18	± 1.00	0.65	50
20 SRG001	AWG # 500	20	± 1.00	0.65	50
22 SRG001	AWG # 600	22	± 1.00	0.65	25
25 SRG001	AWG # 750	25	± 1.00	0.65	25

** Other diameters supplied upon request.

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