

KIRAN SRG 001 (Fire)



QUALITY CERTIFICATIONS

FIRE RETARDANT SILICON COATED FIBERGLASS SLEEVING

UL File No. # E324343

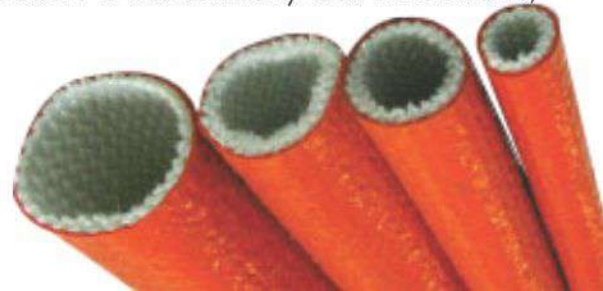
Fire retardant Fiberglass sleeving is coated with Silicon are flexible, Fire Sleeving is designed to protect hoses, wires and cables from the hazards of intense heat and occasional direct flame. KIRAN SRG - 001 Fire Sleeving protects continuously to 500°F (260°C) and will withstand a molten splash at 2200°F (1200°C). Made of braided high quality fiberglass yarns in a flexible substrate, it is then coated with a high-grade, fully-cured silicone rubber. Resistant to hydraulic fluids, lubricating oils, and fuels, fire sleeve insulates against energy loss in piping and hosing, protects employees from burns and provides flame and molten splash resistant protection for wires, hoses, and cables. Both Aerospace and Industrial fire sleeves are coated with the same proprietary silicone rubber compound for increased durability and enhanced heat & flame protection.

Braided (Industrial / Aerospace grade) fire sleeve utilizes a braided interior fiberglass sleeve to provide the highest level of protection in critical areas potentially exposed to intense fire conditions (ex. an oil line inside of an engine compartment). In addition to being applicable for use in Aerospace applications by meeting requirements, braided fire sleeve is also commonly used in Automotive, Maritime, Locomotive, Heavy Equipment and Petrochemical industries

I. FEATURES :

- Excellent low temperature flexibility with outstanding flame retardant properties.
- Resistant to acids, alkalis, organic solvents and aliphatic hydrocarbon.

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PARAMETERS	DETAILS
Thermal Class	"H" Class
Thermal Temperature	500°F (260°C)
Sizes	10.0mm to 50mm
Color	Black and Red Oxide
Grade & Dielectric Strength	Min,. 12000 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

- Transportation (Aerospace, Auto, Locomotive, Heavy Equipment)
- Metals, Iron & Steel
- Hose Fabrication
- Oil & Gas
- OEM

MANUFACTURING STANDARD



PRODUCT COMPLIANCES



KIRAN

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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. 10^5 MΩ
		After damp Test as per IEC 60684	Min. 10^4 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)
10 SRG001	AWG # 2/0	10	± 0.50	0.65	30
12 SRG001	AWG # 3/0	12	± 0.50	0.65	30
14 SRG001	AWG # 250	14	± 1.00	0.65	30
16 SRG001	AWG # 300	16	± 1.00	0.65	30
18 SRG001	AWG # 400	18	± 1.00	0.65	30
20 SRG001	AWG # 500	20	± 1.00	0.65	30
22 SRG001	AWG # 600	22	± 1.00	0.65	30
25 SRG001	AWG # 750	25	± 1.00	0.65	30

** Other diameters supplied upon request.