



## PRODUCT DESCRIPTION

The KIRASRG 001(FIRE) Fire Sleevings is constructed from premium fiberglass yarns braided into a flexible substrate, and it is subsequently covered in premium silicone rubber that has fully cured. It is made to shield cables, wires, and hoses from the dangers of intense heat and sporadic direct flame. The KIRASRG 001 (FIRE) Fire sleeve can withstand a molten splash at 2000°F (1093°C) and provides continuous protection up to 500°F (260°C).

## PROPERTIES

### SLEEVING MATERIAL

Fiberglass Multifilament and Silicone

### THERMAL CLASS

Class - H

### SIZES

6mm to 100mm

### DIELECTRIC STRENGTH

Min 10000 Volts

### FLAMMABILITY

VW-1 and MSHA

### EXPANDABILITY

1:2 on Request

### STANDARD COLOR

Brick Red & Black

### SHELF LIFE *(Under Recommended Storage conditions)*

More than 25 years

### OPERATING TEMP

-60°C to +260°C

1093°C (Max. 30 Mins)

upto 1650°C (Max. 30 Sec)

## FEATURES

- Superior Electrical Properties
- Excellent Low Temperature Flexibility
- Flame Retardant and Insulation performance
- High level Thermal Protection
- Mechanical & Chemical Resistance
- Oil Resistance
- Halogen Free
- High Flexibility

## STANDARDS

- IEC 60684
- MSHA
- SAE AS 1072

## CORE APPLICATION

- Protective covering for cables, ropes and hoses
- Sheath for bundling of multiple wires
- Insulation covering to prevent heat loss from hot metal hoses and piping
- Steel Mills, Nonferrous smelting mills, Fuel supply lines, Steam, hot water and hot oil lines, Hoses and cables close to furnaces, boilers, engines
- Thermal insulation covering hoses and piping means reduced energy costs

## COMPLIANCES



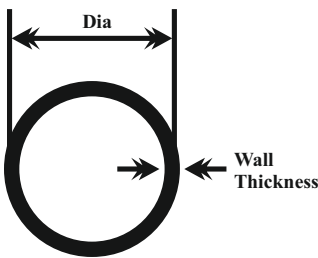
UL File No.: E324343  
UL Part Code: SRG 001



# TECHNICAL CHARACTERISTICS

Sl. No	PROPERTIES	REF. SPECIFICATIONS	RESULT
1.	Temp. Rating	ASTM D 3418 +400 °C	No cracks or detachment of coating were visible and the original colors were clearly recognizable
2.	Cold Resistance	UL 1441 IEC 60684	No cracks or detachment of coating were visible.
3.	Chemical Resistance	Simulation of real operating conditions	Compatible with most insulating varnishes and transformer oils
4.	Flammability	Flame propagation: IEC60684 Part2 Clause 26. Method B Vertical without mandrel UL 1441, UL 94	Extinguishes within 60 seconds. Self-Extinguishable V-0
5.	Thermal Conductivity	ASTM E 1530	0.10 w/m <sup>3</sup> k
6.	Hydrolysis of Coating	IEC 60684	There was no burning of the coating or any sign of de-colourisation of the Sleeve Coating.
7.	Bending (Flexibility) (Low Temp./Ageing/ Max. Temp.)	IS 7016	Pass - No cracks or detachment of coating were visible and the original colors were clearly recognizable

# DIMENSIONS



Inner Dia	Dia Tolerance	Wall Thickness	Standard Packing
6.0mm	± 0.5mm	Min. 2.0mm (or) Min. 3.00mm (On Requirement)	25 Mtrs
8.0mm			
10.0mm			
12.0mm	± 1.0mm		
15.0mm			
20.0mm			
25.0mm	± 2.0mm		
30.0mm			
35.0mm			
40.0mm			
50.0mm			
60.0mm	± 3.0mm		
70.0mm			
80.0mm			
90.0mm			

(\*Other diameters and colors supplied upon request.