

heat protection products

Heat resistant tapes, sleeves, ropes, fabrics, insulation blanket, felt

## FIRE SLEEVE DATASHEET

### FIRE SLEEVE - SILICONE COATED FIBERGLASS BRAIDED SLEEVE

This fire sleeve is manufactured from E glass fiber yarn braided to a sleeve and coated with high quality silicone rubber.

What's it used for?

Wires, cables, hoses from high ambient temperatures. This fire sleeve will offer continuous protection at an operating temperature of 260 degree C. and can withstand a molten metal splash at 1200 degree C.

Standard size and pack

Inside diameter: 4 mm to 152 mm

Length: 15, 20, 30 mtr coils

Color: red, orange, silver, black, blue, pink, yellow, purple

Wall thickness: 4 mm +/- 0.5mm



#### Base Fiberglass Substrate

Fiber Type: E Glass

Specific Gravity: 2.54-2.69

Breaking Tenacity: 1.71 gf/TEX. Std. 1.71 gf/TEX Wet

Tensile Strength: 450,000-500,000 psi.

Breaking Elongation: 4.81% Std. 4.81% Wet

Elastic Recovery: 100%

Average Stiffness: 2824.3 cn/TEX

Effect of Heat: Will not burn; Retains 75% tensile at 343°C; Softens at 732-877°C; Melts at 1121-1182°C.

Effect of Acids and Alkalis; Resistance to acids is fair. Good resistance to most alkalis.

Effect of Bleaches and Solvents: Unaffected.

#### Silicone Rubber Coating

Durometer, Shore A: Initial; 35 Aged 240 hours at 200°C; 45

Tensile Strength (psi): Initial; 875 Aged 240 hours at 200°C; 800

Elongation %: Initial; 500 Aged 240 hours at 200°C; 200

Flammability, UL94; V-1

**Buy Now**

Dielectric Strength (volts/mil); 485  
 Tested Range: 8.0-12.5kV  
 Result: NEMA TF-1  
 Dielectric Grade A

Fluid Resistance  
 Phosphate Ester hydraulic fluids  
 MIL-H-5606 hydraulic fluid  
 MIL-T-5624 Jet Fuel  
 MIL-L-6082 lubricating oil  
 MIL-L-7808 lubricating oil  
 MIL-L-23699 lubricating oil  
 MIL-H-83282 hydraulic fluid

Normal Inside diameter		
Inches	mm	Dash #
1/4	6	-4
5/16	8	-5
3/8	10	-6
7/16	11	-7
1/2	13	-8
5/8	16	-10
3/4	19	-12
7/8	22	-14
1	25	-16
1 1/8	29	-18
1 1/4	32	-20
1 3/8	35	-22
1 1/2	38	-24
1 5/8	41	-26

**Buy Now**

[Buy Now](#)

Normal Inside diameter		
Inches	mm	Dash #
1 3/4	44	-28
1 7/8	48	-30
2	51	-32
2 1/4	57	36
2 2/5	60	-38
2 1/2	64	-40
2 5/8	67	-42
2 3/4	70	-44
2 7/8	73	-46
3	76	-48
3 1/4	83	-52
3 1/2	89	-56
3 3/4	95	-60
4	102	-64
4 1/2	114	-72
4 3/4	121	-76
5	127	-80
6	152	-96

[Buy Now](#)