Silicone Jacketed Fiberglass
Resists Heat, Abrasion And Moisture

Silicone jacketed fiberglass sleeving is the choice of professionals in racing and other industries where protection from constant temperatures approaching 500°F is mandatory. Engineered to contain radiant exhaust and coolant heat within pipes and hoses and to protect expensive performance equipment and operators from thermal damage.

FireFlex is completely non-conductive, will not melt, delaminate, become brittle or support combustion under normal conditions, and provides a professional level solution to thermal protection needs in any application.

Fuel lines in race cars are especially vulnerable to high engine temperatures. FireFlex can help maintain proper fuel temperature.

Colors Available:
Black (BK), Red (RD) and Silver (SV).
**ABRASION FLAMMABILITY**

**CHEMICAL RESISTANCE**

1 = No Effect    4 = More Affected  
2 = Little Effect  5 = Severely Affected  
3 = Affected

- **Aromatic Solvents**: 1
- **Aliphatic Solvents**: 1
- **Chlorinated Solvents**: 1
- **Weak Bases**: 1
- **Salts**: 1
- **Strong Bases**: 1
- **Salt Water 0-S-1926**: 1
- **Hydraulic Fluid MIL-H-5606**: 1
- **Lube Oil MIL-L-7808**: 1
- **De-Icing Fluid MIL-A-8243**: 1
- **Strong Acids**: 2
- **Strong Oxidants**: 2
- **Esters/Ketones**: 1
- **UV Light**: 1
- **Petroleum**: 1
- **Fungus ASTM G-21**: 1
- **Halogen Free**: Yes
- **RoHS**: Yes
- **SVHC**:

**PHYSICAL PROPERTIES**

- **Monofilament Diameter**: NA
- **Flammability Rating**: Non Flammable
- **Recommended Cutting**: Scissor
- **Colors**: 3
- **Wall Thickness**: .072
- **Tensile Strength (Yarn)**: ASTM D-2256 Lbs
- **Specific Gravity**: ASTM D-792

**Melt Point**

- **ASTM D-2117**: 2,048°F (1,120°C)

**Maximum Continuous**

- **Mil-I-23053**: 500°F (260°C)

**Minimum Continuous**

- **-65°F (-54°C)**

**Abrasion Resistance**

- Extremely High

**Abrasion Test Machine**

- Taber 5150

**Abrasion Test Wheel**

- Calibrase H-18

**Abrasion Test Load**

- 500g

**Room Temperature**

- 71°F

**Humidity**

- 61%

**Small Hole In Coating**

- 400 Test Cycles

**Several Small Holes**

- No Wear On fiberglass 4,800 Test Cycles

**Worn Through Coating**

- 1,200 Test Cycles

**Coating Worn Through**

- No Wear On Fiberglass 4,800 Test Cycles

**Fiberglass Begins To Show Moderate Wear**

- 6,500 Test Cycles

**Material Destroyed**

- 8,400 Test Cycles

**Pre-Test Weight**

- 22,961.3 mg

**Post-Test Weight**

- 20,942.2 mg

**Test End Loss Of Mass**

- Point Of Destruction 2,019.1 mg

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