EXTREME TEMPERATURES
Technical Data Sheet

FIREFLEX

- Stable to 500°F
- Jacketed With A Non-Permeable, Heavy Silicone Coating That Is Flexible Enough To Follow Tight Radius Curves
- Contains Radiant Heat To Prevent Damage To Nearby Components
- Resists Gasoline And Engine Chemicals
- Cut And Abrasion Resistant

Cut Cleanly
Scissors

Material FIN
Silicone Jacketed Fiberglass

Grade
FIN

Wall Thickness
.072″

Drawing Number
TF001FIN-WD

Put-Ups

Nominal Size	Part #	Wall Thickness ±0.010″	Bulk Spool	Shop Spool	Available Colors	Lbs/ 100′
1/4″	FIN0.25	.072″	100′	50′	2	4.80
3/8″	FIN0.38	.072″	100′	50′	2	6.30
1/2″	FIN0.50	.072″	100′	50′	2	7.40
5/8″	FIN0.63	.072″	100′	50′	2	8.80
3/4″	FIN0.75	.072″	50′	25′	2	9.80
7/8″	FIN0.88	.072″	50′	25′	2	10.10
1″	FIN1.00	.072″	50′	25′	2	13.50
1 1/4″	FIN1.25	.072″	50′	25′	2	14.00
1 1/2″	FIN1.50	.072″	50′	25′	2	14.70
1 3/4″	FIN1.75	.072″	50′	25′	2	16.30
2″	FIN2.00	.072″	50′	25′	2	20.50
2 1/4″	FIN2.25	.072″	50′	25′	2	22.90
2 3/8″	FIN2.38	.072″	50′	25′	2	26.90
2 1/2″	FIN2.50	.072″	50′	25′	2	28.30
2 3/4″	FIN2.75	.072″	50′	25′	2	30.10
2 7/8″	FIN2.88	.072″	50′	25′	2	32.00
3″	FIN3.00	.072″	50′	25′	2	33.40
3 1/2″	FIN3.50	.072″	25′	-	2	37.20
4″	FIN4.00	.072″	25′	-	2	40.10

Silicone Jacketed Fiberglass Resists Heat, Abrasion And Moisture

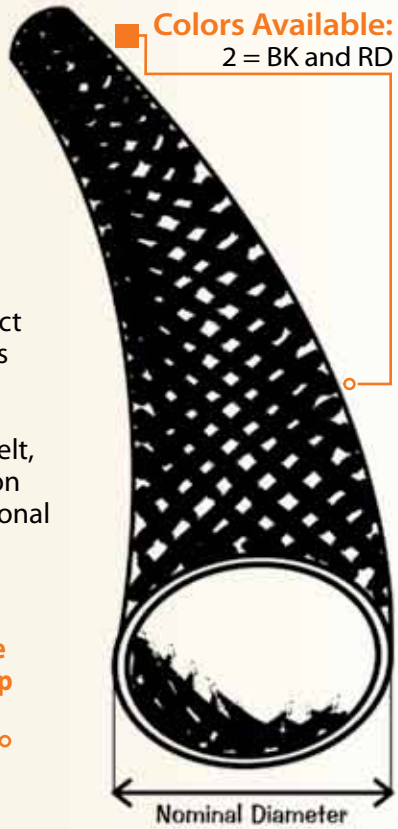
Silicone jacketed fiberglass sleeving is the choice of professionals in racing and other industries where protection from constant temperatures approaching 500° F is mandatory. Engineered to contain radiant exhaust and coolant heat within pipes and hoses and to protect expensive performance equipment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



TECHFLEX
Braided Sleeving Products
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104 Demarest Road • Sparta, NJ 07871

HALOGEN FREE

RoHS Compliant

EXTREME TEMPERATURES
Technical Data Sheet

FIREFLEX

ABRASION

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 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

FLAMMABILITY

Rating_____Non Flammable

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/Keytones	1
UV Light	1
Petroleum	1
Fungus *ASTM G-21*	1
Halogen Free	Yes
RoHS	Yes
SVHC	

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)

www.techflex.com

PHYSICAL PROPERTIES

Monofilament Diameter *ASTM D-204*	NA
Flammability Rating	Non Flammable
Recommended Cutting	Scissor
Colors	2
Wall Thickness	.072
Tensile Strength (Yarn) *ASTM D-2256 Lbs*	
Specific Gravity *ASTM D-792*	NA

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