FIRE FLEX

EXTREME TEMPERATURE
Technical Data Sheet

- 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	3Available 3Colors	Lbs/ 100'
1/4"	FIN0.25	.072"	100'	50'	3	4.80
3/8"	FIN0.38	.072"	100'	50'	3	6.30
1/2"	FIN0.50	.072"	100'	50'	3	7.40
5/8"	FIN0.63	.072"	100'	50'	3	8.80
3/4"	FIN0.75	.072"	50'	25'	3	9.80
7/8"	FIN0.88	.072"	50'	25'	3	10.10
1"	FIN1.00	.072"	50'	25'	3	13.50
1 1/4"	FIN1.25	.072"	50'	25'	3	14.00
1 1/2"	FIN1.50	.072"	50'	25'	3	14.70
1 3/4"	FIN1.75	.072"	50'	25'	3	16.30
2"	FIN2.00	.072"	50'	25'	3	20.50
2 1/4"	FIN2.25	.072"	50'	25'	3	22.90
2 3/8"	FIN2.38	.072"	50'	25'	3	26.90
2 1/2"	FIN2.50	.072"	50'	25'	3	28.30
2 3/4"	FIN2.75	.072"	50'	25'	3	30.10
2 7/8"	FIN2.88	.072"	50'	25'	3	32.00
3"	FIN3.00	.072"	50'	25'	3	33.40
3 1/2"	FIN3.50	.072"	25'	-	3	37.20
4"	FIN4.00	.072"	25'	-	3	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.

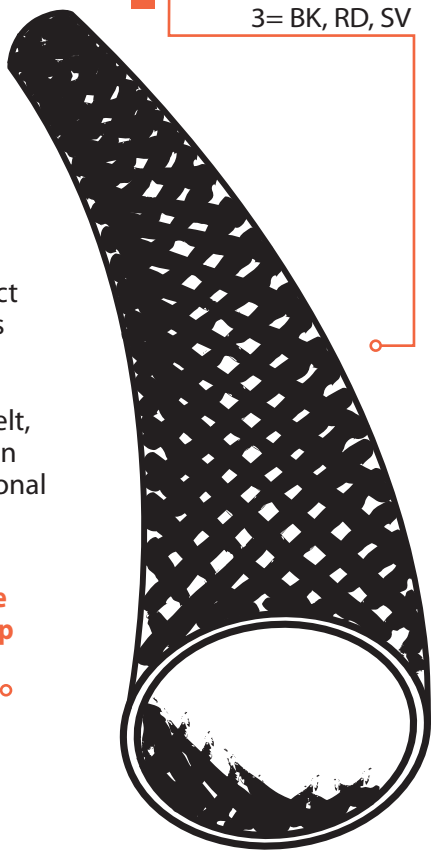
FireFlex is completely non-conductive, will not melt, delaminate, become brittle or support combustion under normal conditions, and provides a professional level solution to thermal protection needs in any application.

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

Colors Available:

Black (BK), Red (RD) and Silver (SV).

Colors Available:
3= BK, RD, SV



HALOGEN FREE

RoHS Compliant

TECHFLEX
Braided Sleeving Products
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EXTREME
TEMPERATURE
Technical Data Sheet

FIRE FLEX

ABRASION

Abrasion Resistance
Extreme

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

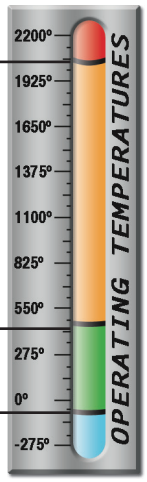
FLAMMABILITY

Rating _____ Non Flammable
_____ Non Combustible

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)



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
ASTM D-204
Flammability Rating __ Non Flammable
Recommended Cutting _____ Scissor
Colors _____ 3
Wall Thickness _____ .072
Tensile Strength (Yarn) _____
ASTM D-2256 Lbs
Specific Gravity *ASTM D-792* _____ NA

www.techflex.com