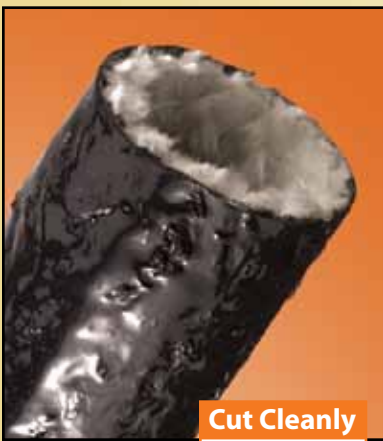




**FIREFLEX**

- 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



[www.techflex.com](http://www.techflex.com)  
 800.323.5140 • 973.300.9242 • fax: 973.300.9409  
 29 Brookfield Dr • Sparta, NJ 07871

**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.

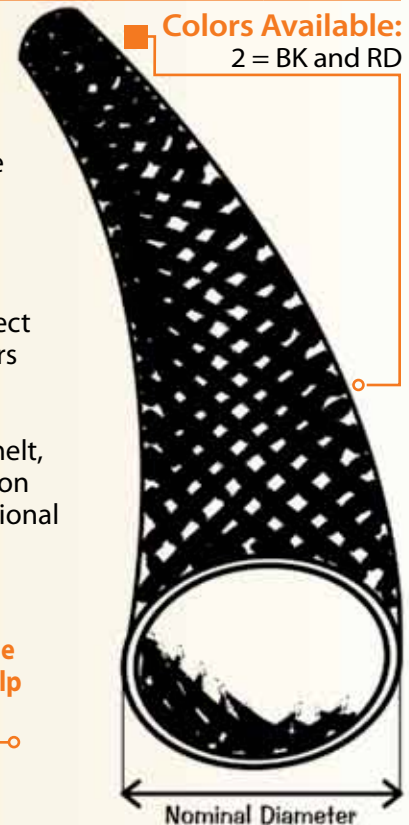
**Fuel lines in race cars are especially vulnerable to high engine temperatures. FireFlex can help maintain proper fuel temperature.**

Colors Available:



Black (BK) and Red (RD).

**Colors Available:**  
 2 = BK and RD



**HALOGEN FREE**



# EXTREME TEMPERATURES

## Technical Data Sheet



# FIREFLEX



**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



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)



## PHYSICAL PROPERTIES

Monofilament Diameter _____	NA
ASTM D-204	
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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