



**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)  
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**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.

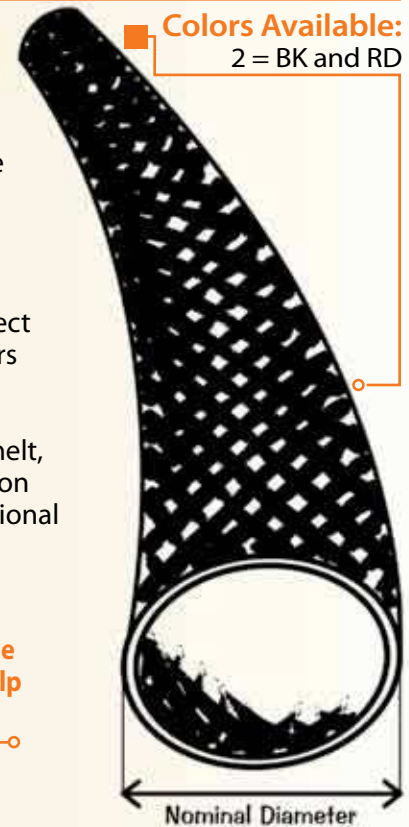
**Fuel lines in race cars are especially vulnerable to high engine temperatures. FireFlex can help maintain proper fuel temperature.**

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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