



FireFlex

- **Stable to 500°F**
- **Cut and Abrasion Resistant**
- **Halogen Free**
- **Resists Gasoline and Engine Chemicals**

Silicone Jacketed Fiberglass Resists Heat, Abrasion & Moisture



Techflex silicone jacketed fiberglass is tested under pressure to destruction to insure reliable fire protection for your fuel and hydraulic lines.



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



Silicone jacketed fiberglass sleeving is the choice of professionals in racing and other industries where protection from constant temperatures approaching 500°F is mandatory.

FireFlex fiberglass/silicone sleeving is engineered to protect hoses, cables and wire harnesses from damage due to exposure to extreme heat, open flame, molten splash and welding sparks. The thick, high temperature fiberglass sleeve is jacketed with a non-permeable, heavy silicone coating that is flexible enough to follow tight radius curves, resists all automotive chemicals and solvents, and provides a substantial level of abrasion and puncture protection.

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.



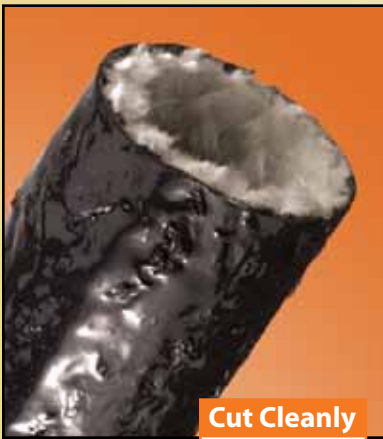
Nominal Size	Part #	Maximum Diameter	Wall Thickness ±0.010"	Standard Spool Put-Ups		Available Colors	Lbs/100'
				Bulk Spool	Shop Spool		
1/4"	FIN0.25	N/A	.072"	100'	50'	BK & RD	4.80
3/8"	FIN0.38	N/A	.072"	100'	50'	BK & RD	6.30
1/2"	FIN0.50	N/A	.072"	100'	50'	BK & RD	7.40
5/8"	FIN0.63	N/A	.072"	100'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





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
 800.323.5140 • 973.300.9242 • fax: 973.300.9409
 104 Demarest Road • 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.

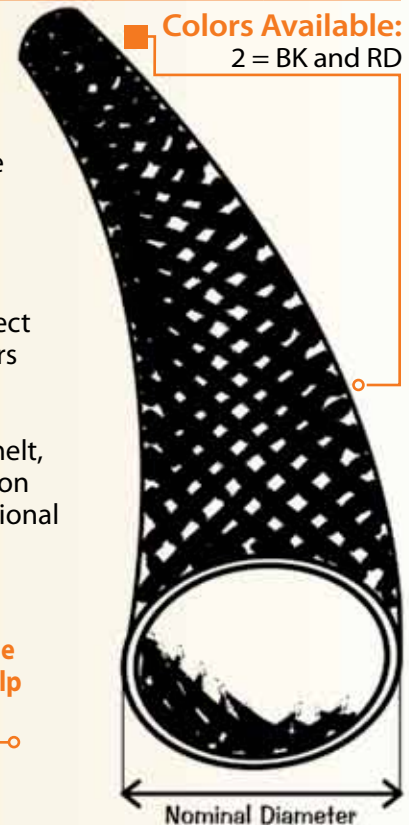
Fuel lines in race cars are especially vulnerable to high engine temperatures. FireFlex can help maintain proper fuel temperature.

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	
<i>ASTM D-204</i>			
Flammability Rating	_____	Non Flammable	
Recommended Cutting	_____	Scissor	
Colors	_____	2	
Wall Thickness	_____	.072	
Tensile Strength (Yarn)	_____		
<i>ASTM D-2256 Lbs</i>			
Specific Gravity	ASTM D-792	_____	NA

www.techflex.com