



- 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	3Available Colors	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.

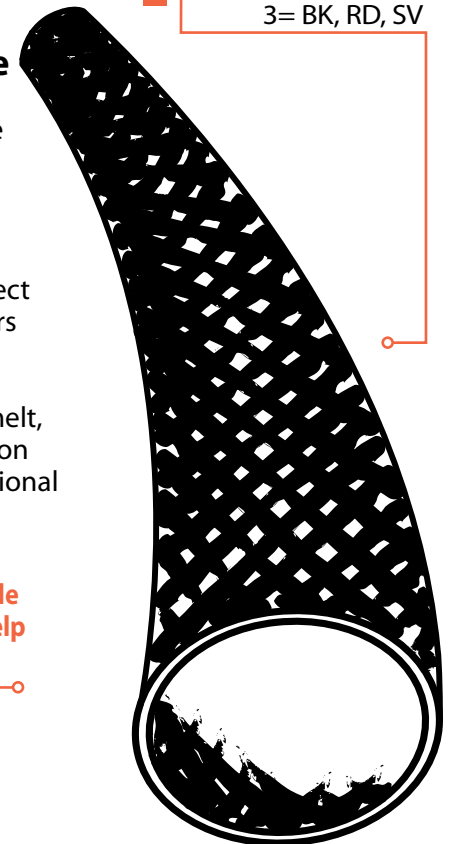
Fuel lines in race cars are especially vulnerable to high engine temperatures. FireFlex can help maintain proper fuel temperature.

Colors Available:



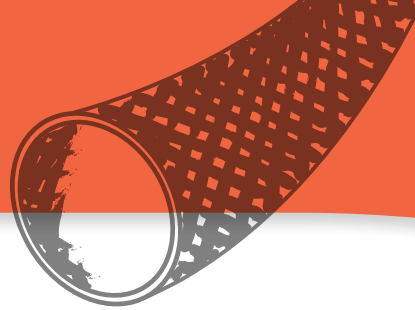
Black (BK), Red (RD) and Silver (SV).

Colors Available:
3= BK, RD, SV



HALOGEN
FREE





ABRASION **FLAMMABILITY**

Abrasion Resistance
Extremely High

Rating _____ Non Flammable

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

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 _____	_____

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 _____	3
Wall Thickness _____	.072
Tensile Strength (Yarn) _____	
ASTM D-2256 Lbs	
Specific Gravity ASTM D-792 _____	NA

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