

- Economical, Long Lasting Protection
- Protects Up To 1,200°F
- Easy, Slip On Installation
- Resists Gasoline And Engine Chemicals
- Cut And Abrasion Resistant

Nominal Size	Part #	Diameter	Wall Thickness	Bulk Box	Available Colors
<b>No Ring - Easy Install</b>					
4 1/2"	FBN0.75	3/4"	0.085"	144	NT (all others special order)
7 1/2"	FCN0.75	3/4"	0.085"	144	NT, BL, RD, BK
12"	FDN0.75	3/4"	0.085"	144	NT, BL, RD, BK
<b>With Ring</b>					
7 1/2"	FCU0.75	3/4"	0.085"	144	NT,BL,BK,RD

## Double Wall Fiberglass Sleeves Protect Wires And Spark Plug Boots To 1,200°F

For years, Techflex's Insultherm braided fiberglass sleeving has been the first choice among automotive professionals and enthusiasts alike for many of their thermal protection applications.

Now, we're introducing the same high temperature protection in an easy slip on sleeve that will extend the life of expensive spark plug wires by protecting them where they need it most... at the boot. Just slip these 3/4" diameter double thickness (triple thick at the sewn end) sleeves over any spark plug cable and boot (even right angle boots) to protect them from engine temperatures in excess of 1,200°F. Once installed, the sleeves require no clearance from hot surfaces, and can even rest directly on hot exhaust headers without any effect.

Insultherm Spark Plug Boot Sleeves (FG) are completely non-conductive, resist all engine chemicals, will not support combustion, and provide an easy, economical solution to the challenge of wire protection in the cramped, high temperature environment of any high performance engine compartment.

### Colors Available:

\* = Available by special order only. Contact your Rep.



**Pre-Cut  
Sleeves**

#### Material

**Resin Coated Fiberglass**

#### Grade

**SPB**

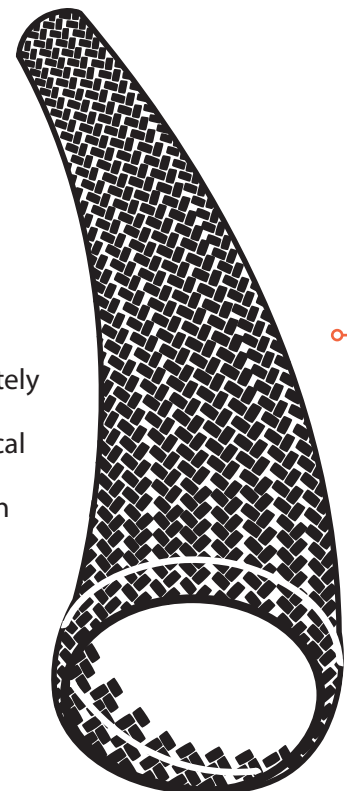
#### Wall Thickness

**.085"**

#### Drawing Number

**TF001SPB-WD**

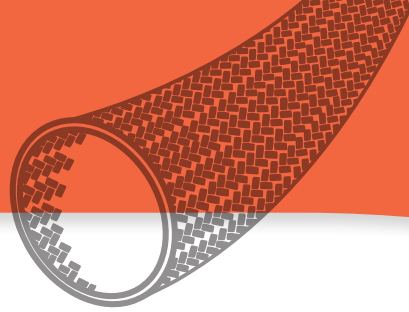
**Sleeves can rest directly on hot headers and other engine components without burning, melting or becoming brittle.**



#### Colors Available:



Natural (NT), Blue (BL), Red (RD) and Black (BK).



## **ABRASION** **FLAMMABILITY**

**Abrasion Resistance**  
High

Rating \_\_\_\_\_ VW-1

**Abrasion Test Machine**  
Taber 5150

**Abrasion Test Wheel**  
Calibrase H-18

**Abrasion Test Load**  
500g

**Room Temperature**  
71°F

**Humidity**  
53%

**Significant Holes Worn In  
First Layer**  
**Material Destroyed**  
3,750 Test Cycles

**Beginning Abrasion Of  
2nd Layer**  
4,000 Test Cycles

**Some Separation Of  
Braid - Material Breaking  
Down**  
10,200 Test Cycles

**Pre-Test Weight**  
26,984.20 mg

**Post-Test Weight**  
19,745.60 mg

**Test End Loss Of Mass  
Point Of Destruction**  
7,238.60 mg

## **CHEMICAL RESISTANCE**

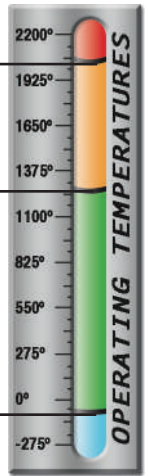
1=No Effect      4=More Affected  
2=Little Effect    5=Severely Affected  
3=Affected

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 _____	2
Petroleum _____	1
Fungus ASTM G-21 _____	1
Halogen Free _____	Yes
RoHS _____	Yes
SVHC _____	None

**Melt Point**  
ASTM D-2117  
2,048°F (1,120°C)

**Maximum Continuous**  
MIL-I-23053  
1,202°F (650°C)

**Minimum Continuous**  
-94°F (-70°C)



## **PHYSICAL PROPERTIES**

Monofilament Diameter _____	NA
ASTM D-204	
Flammability Rating _____	VW-1
FMVSS-302 Approved	
Recommended Cutting _____	NA
Colors _____	4
Wall Thickness _____	.085
Tensile Strength (Yarn) _____	
ASTM D-2256 Lbs	
Specific Gravity ASTM D-792 ____	1.0-1.8
Moisture Absorption _____	.01
% ASTM D-570	
Hard Vacuum Data _____	
ASTM E-595 at 10-5 torr	
TML _____	.02
CVCM _____	.01
WVR _____	.00
Smoke D-Max _____	
ASTM E-662	
Outgassing _____	Low
Oxygen Index _____	
ASTM D-2863	