EXTREME TEMPERATURES
Technical Data Sheet

INSULTHERM™ SLEEVES

Insultherm
SPARK PLUG BOOT INSULATOR

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

				Put-Ups		
Nominal Size	Part #	Diameter	Wall Thickness	Bulk Box	Clam	Available Colors
No Ring - Easy Install						
4 1/2"	FBN0.75	3/4"	0.085"	144	2, 4, 6, 8	NT, *BL,*BK,*RD
7 1/2"	FCN0.75	3/4"	0.085"	144	2, 4, 6, 8	NT, BL, RD, BK
12"	FDN0.75	3/4"	0.085"	144	2, 4, 6, 8	*
With Ring						
7 1/2"	FCU0.75	3/4"	0.085"	144	2, 4, 6, 8	NT,BL,BK,RD
Silica (Protects up to 2,000°F)						
7 1/2"	FCS0.75NT	3/4"	0.085"	144	2, 4, 6, 8	NT

Pre-Cut Sleeves

Material
Resin Coated Fiberglass

Grade
SPB

Wall Thickness
.085"

Drawing Number
TF001SPB-WD

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.

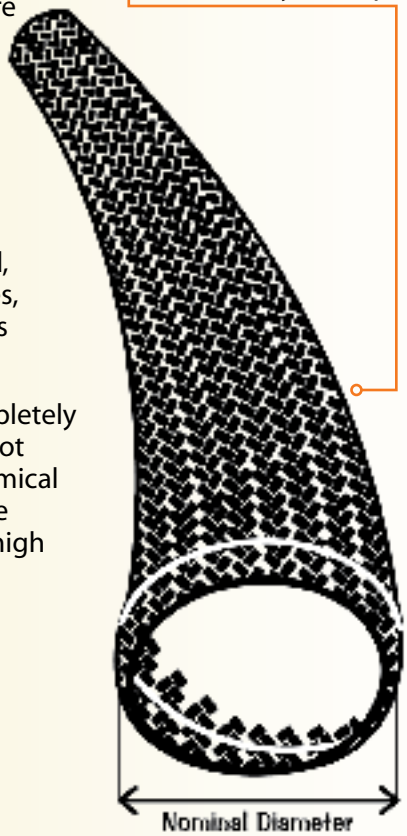
Now, we're introducing the same high temperature protection in an easy slip on sleeve that will extend the life of expensive spark plug wires by protecting them where they need it most... at the boot. Just slip these 3/4" diameter double thickness (triple thick at the sewn end) sleeves over any spark 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:

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

Colors Available:
* = Available by special order only. Contact your Rep.



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

TECHFLEX
Braided Sleeving Products
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29 Brookfield Dr • Sparta, NJ 07871

HALOGEN FREE

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SPARK PLUG BOOT INSULATOR

ABRASION

Abrasion Resistance
High

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

FLAMMABILITY

Rating _____ VW-1

Chemical Resistance

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

www.techflex.com

PHYSICAL PROPERTIES

Monofilament Diameter *ASTM D-204*	NA
Flammability Rating *FMVSS-302 Approved*	VW-1
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 % *ASTM D-570*	.01
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*	