

**THERMASHIELD CONVOLUTED**

- Economical And Easy To Install
- Cuts Easily With Scissors
- Reflects Radiant Heat
- Insulates Delicate Wires And Components
- Resists Gasoline And Engine Chemicals

**Put-Ups**

Nominal Size	Part #	Wall Thickness $\pm 0.006"$	4' Pcs. Put-Ups				Available Colors	Lbs/10Pcs.
			Bulk Box	Box 8x8	Box 6x6	Box 4x4		
1/2"	TCN0.50SV	0.045"	250	70	40	25	Silver	1.2
5/8"	TCN0.63SV	0.045"	150	60	35	20	Silver	1.5
3/4"	TCN0.75SV	0.045"	125	50	30	15	Silver	1.8
1"	TCN1.00SV	0.045"	88	30	20	9	Silver	2.1
1 1/4"	TCN1.25SV	0.045"	63	20	10	6	Silver	2.3

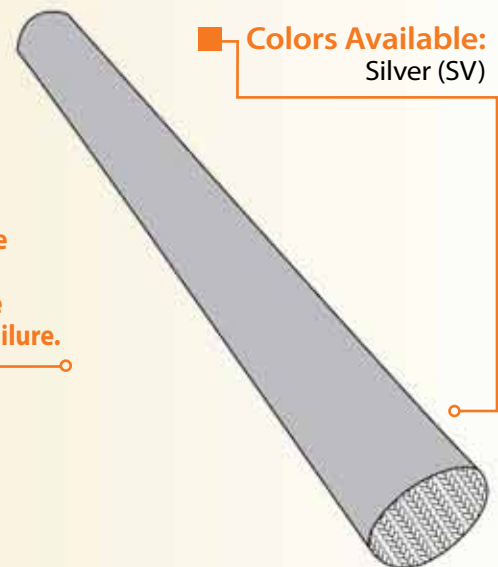


**Cut Cleanly**  
**Scissor**

**Reflective Aluminized Surface Bonded to Insulating Fiberglass**

THERMASHIELD creates a buffer between your wires, hoses and cables and the high temperature environments they are required to perform in. ThermaShield is engineered by laminating an aluminum heat shield to a layer of strong fiberglass insulation. This system provides superior protection from radiant heat by reflecting it away from sensitive electronics, wiring and hoses.

THERMASHIELD CONVOLUTED (TCN) is designed to easily slip over wires or hoses, and bend in any direction needed. The seamless construction provides full coverage and protection, and the flexible sleeving cuts easily with scissors.



■ **Colors Available:**  
Silver (SV)

■ When applied, the aluminum laminate reflects heat away and the insulating fiberglass backing protects the fragile contents from thermal damage and failure.

**Material**

Aluminum Laminated Fiberglass

**Grade**

TCN

**Wall Thickness**

.045"

**Drawing Number**

TF001TT-WD



**THERMASHIELD CONVOLUTED**

**Abrasion Resistance**  
**Very High**

**Abrasion Test Machine**  
**Taber 5150**

**Abrasion Test Wheel**  
**Calibrase H-18**

**Abrasion Test Load**  
**500g**



Rating \_\_\_\_\_  
\_\_\_\_ Non Combustible / Will not Burn



### 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

**491°F (255°C)**

**Minimum Continuous**

**-76°F (-60°C)**



### PHYSICAL PROPERTIES

**Monofilament Diameter** \_\_\_\_\_ NA  
ASTM D-204

**Flammability Rating** \_\_\_\_\_ Non Combustible

**Recommended Cutting** \_\_\_\_\_ Scissor

**Colors** \_\_\_\_\_ 1

**Wall Thickness** \_\_\_\_\_ .045