

## THERMASHIELD TUBE

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



**Cut Cleanly**  
**Scissor**

### Material

Aluminum Laminated Fiberglass

### Grade

TTN

### Wall Thickness

.025"

### Drawing Number

TF001TT-WD

### Put-Ups

| Nominal Size | Part #    | Wall Thickness<br>±0.006" | Bulk Spool | Shop Spool | Available Colors | Lbs/100' |
|--------------|-----------|---------------------------|------------|------------|------------------|----------|
| 1/2"         | TTN0.50SV | 0.025"                    | 250'       | 100'       | Silver           | 2.55     |
| 5/8"         | TTN0.63SV | 0.025"                    | 250'       | 100'       | Silver           | 3.00     |
| 3/4"         | TTN0.75SV | 0.025"                    | 250'       | 100'       | Silver           | 3.45     |
| 7/8"         | TTN0.88SV | 0.025"                    | 250'       | 100'       | Silver           | 4.10     |
| 1"           | TTN1.00SV | 0.025"                    | 250'       | 100'       | Silver           | 4.50     |
| 1 1/4"       | TTN1.25SV | 0.025"                    | 250'       | 100'       | Silver           | 5.40     |
| 1 1/2"       | TTN1.50SV | 0.025"                    | 250'       | 100'       | Silver           | 6.20     |
| 1 3/4"       | TTN1.75SV | 0.025"                    | 100'       | 50'        | Silver           | 7.40     |
| 2"           | TTN2.00SV | 0.025"                    | 100'       | 50'        | Silver           | 8.70     |
| 2 1/2"       | TTN2.50SV | 0.025"                    | 100'       | 50'        | Silver           | 10.10    |
| 3"           | TTN3.00SV | 0.025"                    | 100'       | 50'        | Silver           | 19.00    |

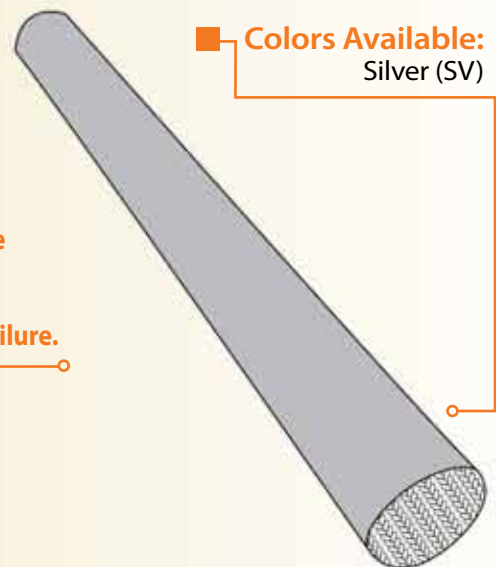
### Reflective Aluminized Surface Bonded to Insulating Fiberglass

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 TUBE (TTN) is designed to easily slip over wires or hoses. 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.



[www.techflex.com](http://www.techflex.com)

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**HALOGEN  
FREE**





# THERMASHIELD TUBE



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

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

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

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

**Room Temperature**  
**73°F**

**Humidity**  
**55%**

**Foil Layer Worn Through**  
**1,000 Test Cycle**

**Fiberglass Layer Worn Through - Material Destroyed**  
**1,200 Test Cycles**

**Pre-Test Weight**  
**10,925.0 mg**

**Post-Test Weight**  
**9,607.6 mg**

**Test End Loss Of Mass Point Of Destruction**  
**1,317.4 mg**



Rating \_\_\_\_\_

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



## Chemical Resistance

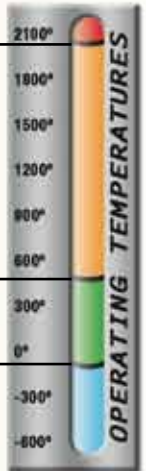
1=No Effect    4=More Affected  
2=Little Effect    5=Severely Affected  
3=Affected

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

**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

Flammability Rating \_\_\_\_ Non Combustible  
Recommended Cutting \_\_\_\_ Scissor  
Colors \_\_\_\_\_ 1  
Wall Thickness \_\_\_\_\_ .025