

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 ±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

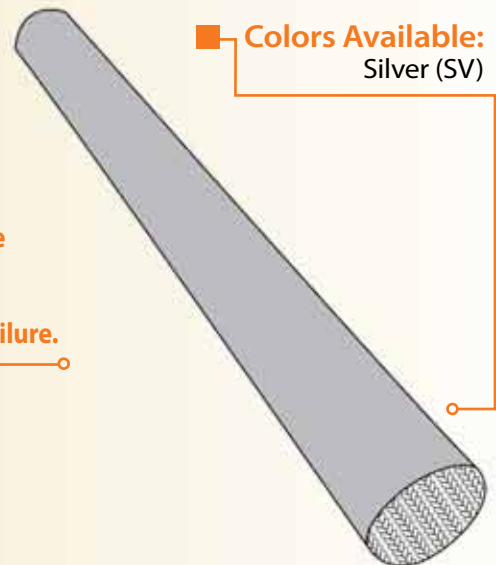
Reflective Aluminized Surface Bonded to Insulating Fiberglass

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

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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

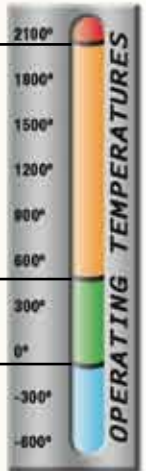
1=No Effect 4=More Affected
2=Little Effect 5=Severely Affected
3=Affected

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