

Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Techflex](#)
[TCN0.50SV](#)

For any questions, you can email us directly:

sales@integrated-circuit.com



**EXTREME
 TEMPERATURE**
 Technical Data Sheet

- 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

TCN

Wall Thickness

.045"

Drawing Number

TF001TT-WD

Nominal Size	Part #	Wall Thickness ±0.006"	Put-Ups				Available Colors	Lbs/10Pcs.
			4' Pcs. Put-Ups					
			Bulk Box	Box 8x8	Box 6x6	Box 4x4		
3/8"	TCN0.38SV	0.045"	300	80	45	30	Silver	1.0
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
7/8"	TCN0.88SV	0.045"	100	40	25	12	Silver	1.9
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

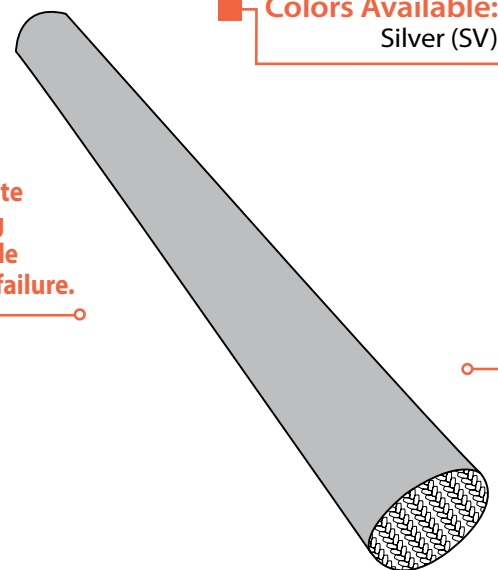
Reflective Aluminized Surface Bonded to Insulating Fiberglass

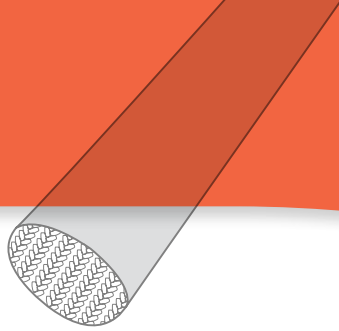
THERMASHIELD creates a buffer between your wires, hoses and cables and the high temperature environments they are required to perform in. ThermaShield is engineered by laminating an aluminum heat shield to a layer of strong fiberglass insulation. This system provides superior protection from radiant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

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

Colors Available:
 Silver (SV)





ABRASION FLAMMABILITY

Abrasion Resistance
Very High

Rating _____ Non Combustible
Will not burn

Abrasion Test Machine
Taber 5150

Abrasion Test Wheel
Calibrase H-18

Abrasion Test Load
500g

CHEMICAL RESISTANCE

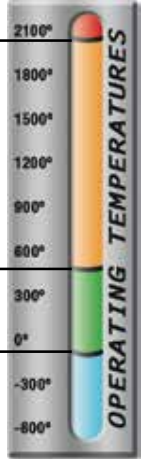
1=No Effect 4=More Affected
 2=Little Effect 5=Severely Affected
 3=Affected

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 _____	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 _____ .045