

## THERMASHIELD® CONVOLUTED REFLECTIVE ALUMINIZED SURFACE BONDED TO INSULATING FIBERGLASS REFLECTS RADIANT HEAT

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.

### SIZING CHART

Nominal Size	Part #	Wall Thickness ±.006"	4 Feet Pcs. *Put-Ups				Available Colors	Lbs/ 10Pcs.
			XS	S	M	L		
3/8"	TCN0.38SV	.045"	30	45	80	300	1	1.0
1/2"	TCN0.50SV	.045"	25	40	70	250	1	1.2
5/8"	TCN0.63SV	.045"	20	35	60	150	1	1.5
3/4"	TCN0.75SV	.045"	15	30	50	125	1	1.8
7/8"	TCN0.88SV	.045"	12	25	40	100	1	1.9
1"	TCN1.00SV	.045"	9	20	30	88	1	2.1
1 1/4"	TCN1.25SV	.045"	6	10	20	63	1	2.3



### FEATURES

Material	Aluminum Laminated Fiberglass
Grade	TCN
Wall Thickness	.045"
Drawing Number	TF001TCN-WD
Cutting	Scissors

### COLORS



Silver (SV)

### CERTIFICATIONS



FAR-25

## ABRASION

Abrasion Resistance	
Abrasion Test Machine	Taber 5150
Abrasion Test Wheel	Calibrase H-18
Abrasion Test Load	500g
Room Temperature	°F
Humidity	%
Material Destroyed - Braid Worn Through Both Directions	
Pre-Test Weight	mg
Post-Test Weight	mg
Test End Loss Of Mass Point Of Destruction	mg

## PHYSICAL PROPERTIES

Monofilament Diameter (ASTM D-204)	NA
Flammability Rating	Non Combustible
Recommended Cutting	Scissors
Colors	1
Wall Thickness	.045"
Tensile Strength (Yarn) (ASTM D-2256 Lbs)	NA
Specific Gravity (ASTM D-792)	NA
Moisture Absorption % (ASTM D-570)	NA
Hard Vacuum Data (ASTM E-595 at 10-5 torr)	NA
TML	NA
CVCM	NA
WVR	NA
Smoke D-Max (ASTM E-662)	NA
Outgassing	NA
Oxygen Index (ASTM D-2863)	NA

## FLAMMABILITY

Rating	Non Combustible, Will Not Burn
--------	--------------------------------

## OPERATING TEMPERATURES

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

## 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 (O-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
SVHC	NA