

Thermal shield creates a buffer between your wires, hoses, cables and the high temperature environments they are required to perform in. It 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.

MTC 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.



- Economical and easy to install
- Cuts easily with scissors
- Reflects radiant heat
- Insulates delicate wires and components
- Resists gasoline and engine chemicals
- Colour: Silver (SV)



TYPE	COLOUR
<b>MTC0.75</b>	<b>SV</b>
NW	

	<b>Melt Point</b>
	ASTM D-2117 2,048°F (1,120°C)
	<b>Maximum Continuous</b>
	Mil-I-23053 491°F (255°C)
	<b>Minimum Continuous</b>
	-76°F (-60°C)



Order Number	Nominal width (NW)	Wall Thickness +/-0.13mm		Weight		1.2m Pcs. Put-Ups	
		(mm)	(in)	Kg/10Pcs.	Lbs/10Pcs.	Box 6x6	Box 4x4
MTC0.50	1/2"	1.1	0.045"	0.54	1.20	40	25
MTC0.63	5/8"	1.1	0.045"	0.68	1.50	35	20
MTC0.75	3/4"	1.1	0.045"	0.82	1.80	30	15
MTC1.00	1"	1.1	0.045"	0.95	2.10	20	9
MTC1.25	1 1/4"	1.1	0.045"	1.04	2.30	10	6

**Abrasion Test Data**

- 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 cycles**
- 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**

**Physical Properties**

- Monofilament diameter: **N/A**
- Flammability rating: **Non Combustible**
- Recommended cutting: **Scissor**
- Colours: **1**
- Wall thickness: **.025**

**MTC - Chemical Resistance Index**

	5	4	3	2	1	No Effect
	Severely Affected	More Affected	Affected	Little Effect		
Aromatic Solvents						
Aliphatic Solvents						
Chlorinated Solvents						
Weak Bases						
Salts						
Strong Bases						
Salt Water 0-S-1926						
Hydraulic Fluid MIL-H-5606						

	5	4	3	2	1	No Effect
	Severely Affected	More Affected	Affected	Little Effect		
Lube Oil MIL-L-7808						
De-Icing Fluid MIL-A-8243						
Strong Acids						
Strong Oxidants						
Esters/Ketones						
UV Light						
Petroleum						
Fungus ASTM G-21						