



THERMAL MANAGEMENT

# Therm-L-Wrap™ 66

## Product Highlights

- Operating temperature from -60°C to +200°C (-76°F to +392°F)
- Excellent radiant heat protection
- Excellent EMI shielding performance
- FAR Part 25.853
- Self-wrapping design
- Flexible
- Fluid and chemical resistant



**Therm-L-Wrap™ 66** is a self-wrapping, reflective sleeve designed to provide thermal protection from both radiant and convective heat. Composed of a woven fiberglass base fabric and a lamination of aluminum foil, the product can withstand convective heat soaks up to +200°C (+392°F) and simultaneously protect critical components from radiant or reflected heat.

The unique woven structure imparts a level of flexibility not found in other reflective products. It also allows the product to maintain a circular profile when flexed.

The self-wrapping design of Therm-L-Wrap 66 allows for quick and easy installation while the addition of a self-sealing adhesive reinforcement allows for permanent closure. The adhesive strip acts as a barrier to dirt and fluids while maintaining the full integrity of the finished aluminized sleeve.



Our manufacturing sites are certified ISO 9001, ISO/TS 16949, or AS/EN 9100, and ISO 14001

THERMLWRAP66\_01232012

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# Performance Data – Therm-L-Wrap™ 66

Property	Test Method	Result
Aging	EN6059-302 (168 hrs. at +200°C)	Pass
Salt Spray	EN2591-307 (96 hrs.)	Pass
Flammability / Smoke Density / Toxicity	ABD0031 & FAR Part 25, paragraph 853	Pass
EMI Performance		
<p><b>Test Method:</b> Transfer impedance IEC62153-4-3 Size tested = 13 mm</p> <p><b>Result:</b> 70 dB at 100 MHz, R0 = 15 mΩ</p>		
Thermal Performance	SAE J2302 (Hot Box 540°C)	147°C reduction (See graph below)
Resistance to Fluid Spray Synthetic hydraulic fluid (Skydrol 500 B4) Synthetic hydraulic fluid (Skydrol LD4) Cleaning fluid (25% propanol + 75% white spirit)	EN6059-303	Remained stuck after fluid spray

All numeric data shows average or typical values.

## Product Specifications

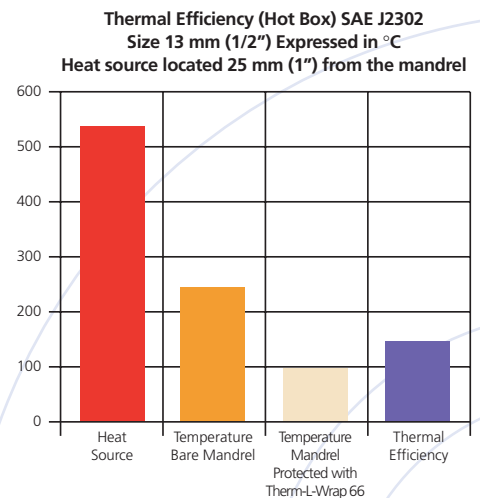
Commercial Part Number	Recommended Application Range mm (in)		Max Weight g/m (lbs/ft)
	Min Ø	Max Ø	
Therm-L-Wrap 66 10	8 (5/16")	10 (3/8")	32 (0.021)
Therm-L-Wrap 66 13	10 (3/8")	13 (1/2")	54 (0.036)
Therm-L-Wrap 66 16	13 (1/2")	16 (5/8")	58 (0.039)
Therm-L-Wrap 66 19	16 (5/8")	19 (3/4")	68 (0.046)
Therm-L-Wrap 66 25	19 (3/4")	25 (1")	96 (0.064)

## Product Available in Straight Cut Lengths Only in 10mm Increments

50 to 500 mm	+/- 5 mm
501 to 1000 mm	+/- 10 mm

## Part Numbering System

Example	Product Name	Size	Color	Cut length	Quantity
	Therm-L-Wrap 66	13	Silver	100 mm	50 pieces



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