

Seamless Wrap high-performance PTFE tape technology

Seamless Wrap PTFE tape: Proven Technology

Thermax **Seamless Wrap** PTFE wire insulation and cable jacket offers all the advantages of a tape wrap with the smooth appearance and installation characteristics of an extrusion.

Seamless Wrap features an outer surface that:

- Looks and feels like an extruded jacket;
- Reduces the possibility of damage during installation or re-routing (no seams to snag);
- Yields a more consistent final O.D. for cleaner stripping, marking, and stripping;
- Accepts clear, permanent laser marking.

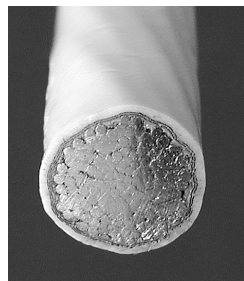
Because of its uniform cross section, **Seamless Wrap** is superior to conventional wrapped tape in:

- Consistent wall thickness;
- Increased dielectric strength;
- Enhanced wet and dry arc propagation resistance.

By eliminating the mechanical "weak points" of seams in conventional wrapped tapes, **Seamless Wrap**:

- Significantly improves abrasion resistance, particularly wire-to-wire;
- Eliminates delaminating of sintered tape layers;
- Has enhanced crack resistance for use in SWAMP and fire zone applications.

Wires and cables are available with Seamless Wrap insulation and/or jackets as noted on the product pages of this catalog.

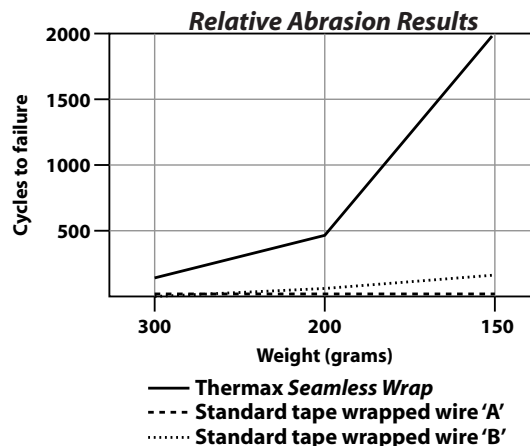


Seamless Wrap insulation cuts clean and smooth with no unraveling.

Clear, crisp laser marking enhanced by smooth outer surface.



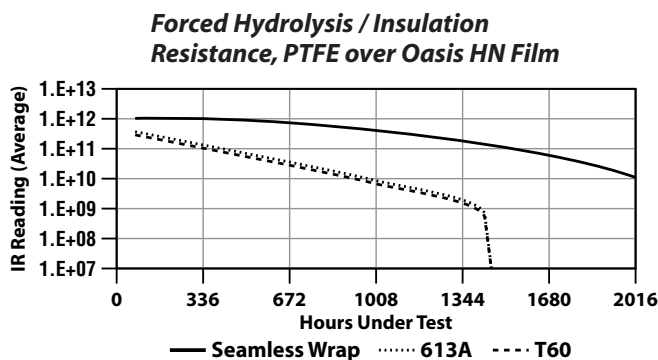
Seamless Wrap provides superior abrasion resistance



Standard types A and B are PTFE tapes commonly utilized in the construction of M22579/80-/92 wires.

Tested using the "Oscillating Rod" method. 100 samples of each type tested; chart indicates average number of cycles to failure for each type.

Seamless Wrap provides superior hydrolytic resistance



MIL-DTL-22759 wire with *Seamless Wrap* insulation

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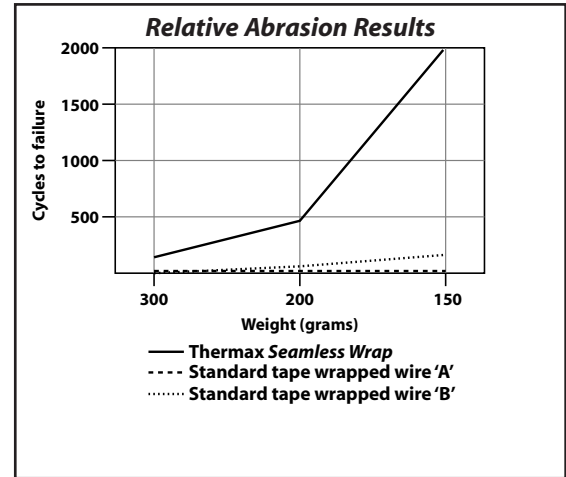
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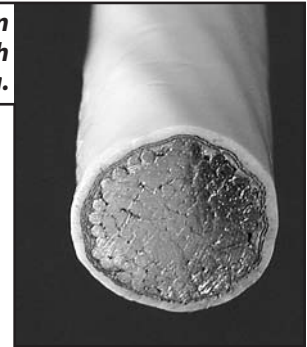
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To order appropriate MIL DTL-22759 wires with *Seamless Wrap* insulation, see the chart below.



Seamless Wrap insulation cuts clean and smooth with no unraveling.



Clear, crisp laser marking enhanced by smooth outer surface.

MIL-DTL-22759 Wires With *Seamless Wrap* Insulation

SML H 22 - XXXX

Seamless Wrap designator

M22759 type

M22759/	Letter	M22759/	Letter
80	A	87	H
81	B	88	J
82	C	89	K
83	D	90	L
84	E	91	M
85	F	92	N
86	G		

AWG size

**Color code
(see previous page)**

M27500 Cables—Seamless Wrap PTFE tape options

Many Thermax M27500 cables can be ordered with component wires featuring **Seamless Wrap** PTFE tape insulation, as noted on the following product pages.

Cables with type 24 (single) and 74 (double) jackets and M22759/80 through /92 component wires can be ordered with **Seamless Wrap** component wire insulation and jacket outer layer (see chart below for part numbers).

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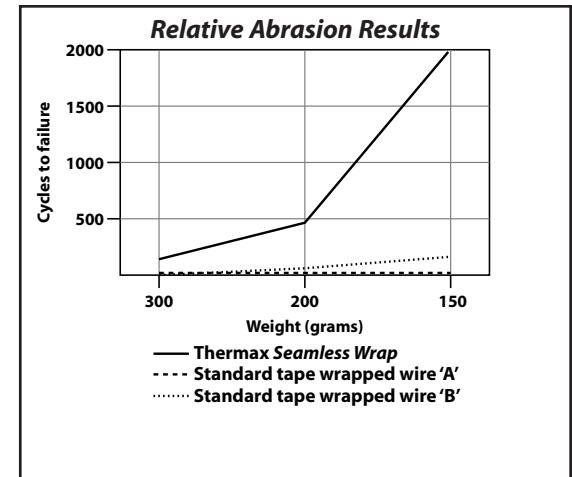
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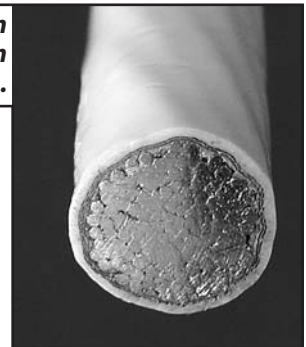
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M27500 Cables With Seamless Wrap Jacket and Component Wire Insulation

