

APPLICATION SPECIFICATION

1. SCOPE

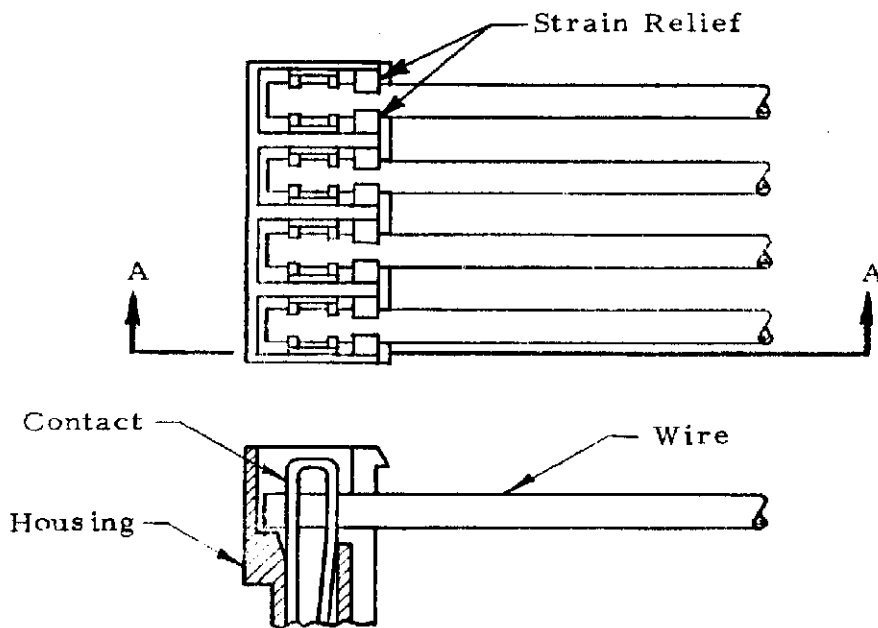
1.1. Content

This specification covers the requirements for application of wire to AMP* MTA (Mass Termination Assembly) 100 connectors. These requirements are applicable to hand or automatic machine application tools. Specific wire and insulation ranges relative to the products covered in this specification are 28-22 AWG tin plated solid, concentric fused stranded and concentric stranded wire with standard PVC thermoplastic insulation having a maximum insulation outside diameter of .060 when terminated one position at a time, or .050 when mass terminating. Stranded wire approved by AMP Engineering per UL Style 1007 and 1061 is 24-22 AWG 7 and 19 stranded, and 28-26 AWG 7 stranded. Other wire sizes, styles, and insulation materials shall be approved by AMP Engineering.

1.2. Reference Specification

For applicable performance requirements see AMP Specification 108-1050.

2. NOMENCLATURE



Section A-A Figure 1

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				DR <i>Thomas P. Christine</i> 11-7-85 CHK <i>Keith D. Dostick</i> 11-12-85 APP <i>D.R. Clark</i> 11-3-85	AMP AMP INCORPORATED Harrisburg, Pa. 17105			NO 114-1019	REV G	LOC B
G	Revise per ECN AG-689	<i>TLC</i>	<i>11/14/85</i>	DIST 01	TITLE CONNECTOR, MTA 100					
LTR	REVISION RECORD	APP	DATE	PAGE 1 OF 3						

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3. INSERTION REQUIREMENTS

3.1. Wire Termination

After termination, wire shall meet the requirements specified in Figure 2.

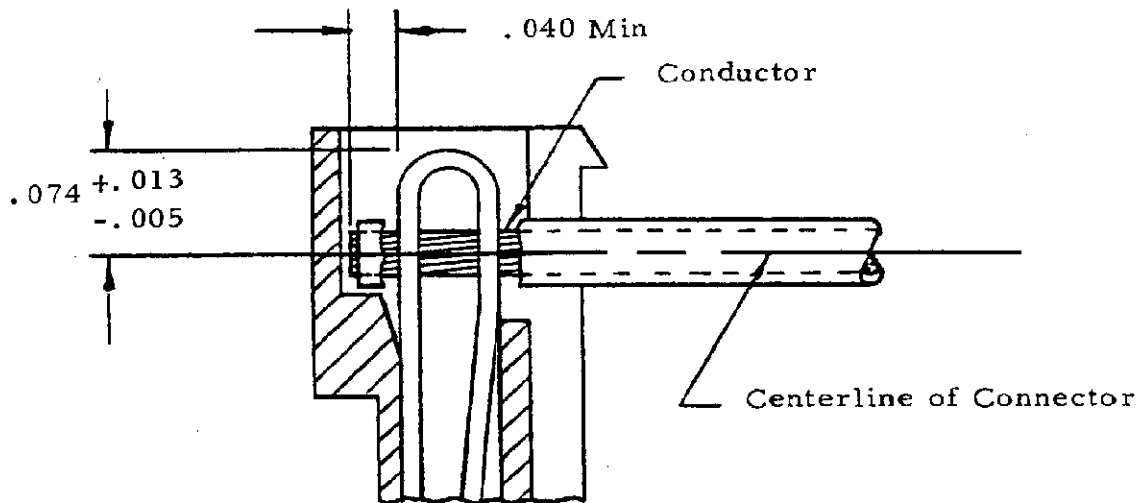


Figure 2

3.2. Contact Damage

There shall be no evidence of physical damage or distortion to any portion of the contact after wire termination.

3.3. Housing Damage

- A. There shall be no cracks, breaks or other visible damage to the housing due to wire termination.
- B. Skiving of plastic on the inside wall of the housing cavity is permissible, provided that conditions specified in Para 3.3.A. are met.

3.4. Broken Strands

There shall be no broken strands in the conductor after termination.

3.5. Exposed Conductor

Exposed conductors shall not exceed the limits specified in Figure 3 after termination.

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Harrisburg, Pa. 17105

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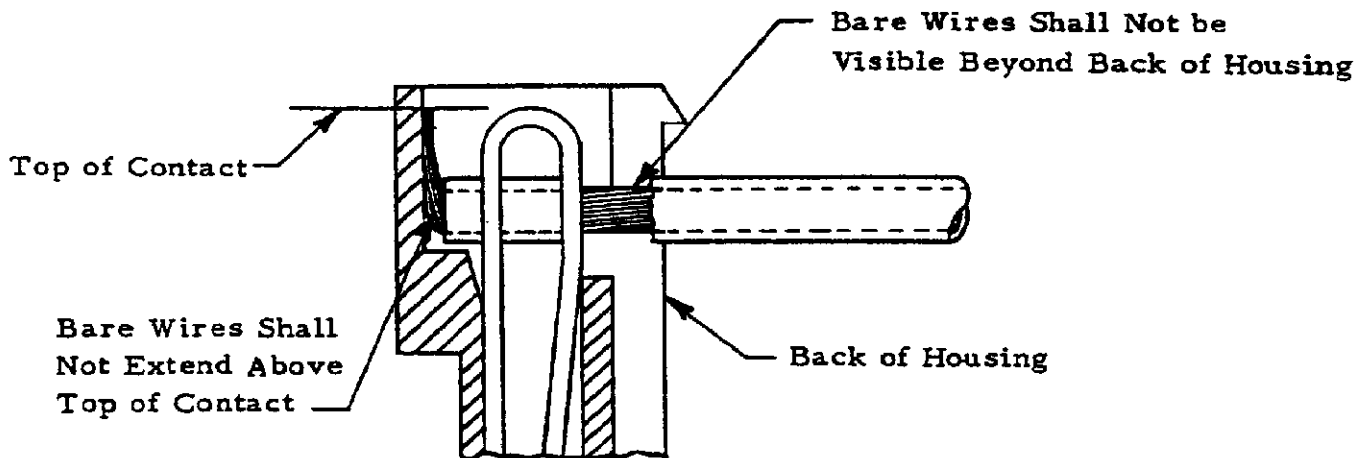


Figure 3

3.6. Conductor Insulation

Conductor insulation shall be contained within the confines of the insulation strain relief as indicated in Figure 4.

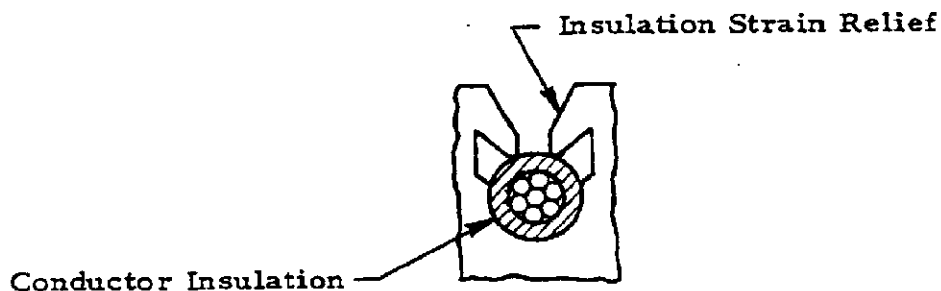


Figure 4

Connector Assembly Part Numbers (a)	Wire Size, AWG
640440	22
640441	24
640442	26
640443	28

(a) For other connector styles and plating types, consult AMP Engineering.

Figure 5