MI Cable Thermocouple Assemblies

**Style MTA1 — Transition to Lead Wire (Stock)**

- Strain Relief Spring
- 450°F (232°C) Transition
- FEP Teflon® Insulated Lead Wire
- 1-1/4" Ref.
- “L”

### Ordering a Stock MTA1 Thermocouple

(Thermocouples not available from stock can be custom manufactured—see page 14-15)

TEMPCO stocks MTA1 style Thermocouples in type J and K in the standard lengths listed in the following two tables. These thermocouples have Teflon® insulated leads with a 2-1/2” split lead termination.

Order a stock unit from the tables after completing the ordering code with the Junction Type Code from Box 5 and Optional Compression Fitting Code from Box 6 below.

#### Type J — 316 SS Sheath

<table>
<thead>
<tr>
<th>Diameter</th>
<th>6&quot;</th>
<th>12&quot;</th>
<th>18&quot;</th>
<th>24&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.063&quot;</td>
<td>ST1-JD06B</td>
<td>ST1-JD12B</td>
<td>ST1-JD18B</td>
<td>ST1-JD24B</td>
</tr>
<tr>
<td>0.125&quot;</td>
<td>ST1-JF06B</td>
<td>ST1-JF12B</td>
<td>ST1-JF18B</td>
<td>ST1-JF24B</td>
</tr>
<tr>
<td>0.250&quot;</td>
<td>ST1-JH06B</td>
<td>ST1-JH12B</td>
<td>ST1-JH18B</td>
<td>ST1-JH24B</td>
</tr>
</tbody>
</table>

#### Type K — Alloy 600 Sheath

<table>
<thead>
<tr>
<th>Diameter</th>
<th>6&quot;</th>
<th>12&quot;</th>
<th>18&quot;</th>
<th>24&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.063&quot;</td>
<td>ST1-KD06B</td>
<td>ST1-KD12B</td>
<td>ST1-KD18B</td>
<td>ST1-KD24B</td>
</tr>
<tr>
<td>0.125&quot;</td>
<td>ST1-KF06B</td>
<td>ST1-KF12B</td>
<td>ST1-KF18B</td>
<td>ST1-KF24B</td>
</tr>
<tr>
<td>0.250&quot;</td>
<td>ST1-KH06B</td>
<td>ST1-KH12B</td>
<td>ST1-KH18B</td>
<td>ST1-KH24B</td>
</tr>
</tbody>
</table>

### Stock Modification for Fast Delivery

Above stocked items can be cut to desired length and terminated with any standard termination for fast delivery. To order a probe length not listed in the tables above, complete the Code Number below.

#### Ordering Code:

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
</tr>
</thead>
</table>

**Calibration** **Box 1**

- ANSI Standard Tolerances

**Diameter** **Box 2**

- D = .063"
- F = .125"
- H = .250"

**“L” Dimension** **Box 3**

- 06", 12", 18", 24" Stock Lengths
- For other lengths, specify in inches.

**Termination** **Box 4**

- B = 2-1/2 in. Split Leads
- S = Spade Lugs
- C = Spade Lugs with BX Conn.
- P = Standard Plug
- J = Standard Jack

K = Standard Plug and Jack

D = Miniature Plug

E = Miniature Jack

F = Mini. Plug and Jack

See page 14-9 for Termination Style descriptions

**Junction** **Box 5**

- G = Grounded
- U = Ungrounded
- E = Exposed

**Optional Compression Fitting** **Box 6**

1 = 1/8” NPT SS
2 = 1/4” NPT SS
3 = 1/2” NPT SS
4 = 1/8” NPT Brass
5 = 1/4” NPT Brass
6 = 1/2” NPT Brass

0 = None Required

**WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

View Product Inventory @ www.tempco.com

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