MINERAL INSULATED TRANSITIONS

Due to the varying size of connection wire and cable, a transition fitting is used between the cold end of the sheath and the connecting wires. This fitting measures 1-1/4˝ long by 1/4˝ OD for 1/8˝ or smaller sheaths, and 1-1/2˝ long by 3/8˝ OD for 3/16˝ and 1/4˝ sheaths. Larger sheaths and sheaths terminating in connectors other than wire or cable do not require transition fittings.

**Basic Sheath Configuration**

**Sheath and Transition Fitting (when made with Flex Hose)**

**Sheath and Transition Fitting (when made with SS Overbraid Wire)**

**Sheath and Transition Fitting (when made with Fiberglass Wire)**

**SERIES R & 8**

Mineral Insulated Thermocouples and RTDs are known for their excellent mechanical durability and resistance to electrical breakdown. Mineral Insulated Thermocouples can be bent to most any angle without special equipment.

**MODEL CODING**

Fill in the appropriate numbers or letters to specify the probe of your choice. Fill in all boxes. If an item or dimension does not apply, fill those boxes with zeros ‘0’.

<table>
<thead>
<tr>
<th>SENSOR TYPE</th>
<th>HARDWARE TYPE</th>
<th>EXTENSION TYPE</th>
<th>TERMINALS TYPE</th>
<th>JUNCTION TYPE</th>
<th>SENSOR TYPE</th>
<th>BEND</th>
</tr>
</thead>
<tbody>
<tr>
<td>J – T/C</td>
<td>1 – Plain Sheath (304SS)</td>
<td>0 – Fiberglass Singles</td>
<td>1 – Single</td>
<td>1 – None</td>
<td>1 – None</td>
<td></td>
</tr>
<tr>
<td>K – T/C</td>
<td>2 – Plain Sheath (316SS)</td>
<td>1 – Fiberglass Insulation</td>
<td>2 – Dual</td>
<td>2 – 45°</td>
<td>2 – 45°</td>
<td></td>
</tr>
<tr>
<td>E – T/C</td>
<td>3 – Inconel® 600 Sheath</td>
<td>2 – Fiberglass Insulation w/ SS Flex Hose</td>
<td>3 – Ungrounded</td>
<td>2 – Exposed Tip</td>
<td>2 – Exposed Tip</td>
<td></td>
</tr>
<tr>
<td>T – T/C</td>
<td></td>
<td>3 – Fiberglass Insulation w/ SS Overbraid</td>
<td>4 – 1/4˝</td>
<td>3 – 3/16˝</td>
<td>3 – 3/16˝</td>
<td></td>
</tr>
</tbody>
</table>

**HEAD ASSEMBLY OPTIONS (3/4˝ NPT Conduit Connection)**

- E – Screw Cover Head, AL w/ No Process Connection
- F – Screw Cover Head, Plastic w/ No Process Connection
- G – Screw Cover Head, SS w/ No Process Connection
- H – Snap Cover Head, AL w/ No Process Connection
- I – Screw Cover Head, AL w/ 1/2˝ NPT Process Connection
- J – Screw Cover Head, Plastic w/ 1/2˝ NPT Process Connection
- K – Screw Cover Head, SS w/ 1/2˝ NPT Process Connection
- L – Snap Cover Head, AL w/ 1/2˝ NPT Process Connection
- M – Screw Cover Head, AL w/ 3/4˝ NPT Process Connection
- N – Screw Cover Head, Plastic w/ 3/4˝ Process Connection
- P – Screw Cover Head, SS w/ 3/4˝ Process Connection
- Q – Snap Cover Head, AL w/ 3/4˝ Process Connection

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