

Cut-To-Length Thermocouple Probe

For Field Adaptable Applications



TCCTL-J-14U-24-40-TT shown smaller than actual size.

TCCTL Series

- ✓ Field Cuttable to the Length Needed Using a Tubing Cutter [76 mm (3") Length Minimum]
- ✓ Available in All Base Metal Thermocouple Calibrations (Types J, K, T, E and N)
- ✓ 6 and 4.5 mm (¼ and ⅜") Diameters Standard
- ✓ PFA and Two Fiberglass Insulated Cable Options Available
- ✓ 300 Series Stainless Steel Sheath
- ✓ Standard Length is 600 mm (24")
- ✓ Large Variety of Mounting and Terminating Options Available
- ✓ Maximum Temperature 260°C (500°F) for Type TT Leads, 482°C (900°F) for Type GG Leads, or 540°C (1000°F) for Type HH Leads

Standard Dimensions

| To Order | | | | | | |
|-----------------------|-----------------|--------------|--------------|-----------------|----------|------------|
| Model Number | Sheath Diameter | Probe Length | Cable Length | Max Temp °C (F) | T/C Type | Tip Style |
| TCCTL-J-14U-24-40-TT | ¼" | 24" | 40" | 260 (500) | Type J | Ungrounded |
| TCCTL-J-316U-24-40-TT | ⅜" | 24" | 40" | 260 (500) | Type J | Ungrounded |
| TCCTL-K-14U-24-40-TT | ¼" | 24" | 40" | 260 (500) | Type K | Ungrounded |
| TCCTL-K-316U-24-40-TT | ⅜" | 24" | 40" | 260 (500) | Type K | Ungrounded |
| TCCTL-T-14U-24-40-TT | ¼" | 24" | 40" | 260 (500) | Type T | Ungrounded |
| TCCTL-T-316U-24-40-TT | ⅜" | 24" | 40" | 260 (500) | Type T | Ungrounded |
| TCCTL-E-14U-24-40-TT | ¼" | 24" | 40" | 260 (500) | Type E | Ungrounded |
| TCCTL-E-316U-24-40-TT | ⅜" | 24" | 40" | 260 (500) | Type E | Ungrounded |

Notes: Also available in Type N at no additional cost. For 482°C (900°F) rated fiberglass cable insulation change "TT" to "GG" in the model number for the same price. For 540°C (1000°F) rated fiberglass cable insulation change "TT" to "HH" in the model number for an additional cost. (Note: Type "HH" cable is not available with Type T or Type E thermocouples). For a grounded thermocouple tip, change the "U" in the model number to "G" at no additional cost.

Options: Add a standard sized connector by adding "-OSTW" to the model number for additional cost. Add a miniature connector by adding "-SMPW" to the model number for additional cost.

Accessories: Stainless steel and brass compression fittings are available for mounting, see "SSLK or BRLK" fittings.

Ordering Example: TCCTL-K-6U-600-1-TT, Type K cut-to-length thermocouple with 6 mm (0.24") diameter by 600 mm (24") long sheath, PFA insulated cable 1 m (40") long with a 260°C (500°F) maximum temperature.

Metric Dimensions

| Model Number | Sheath Diameter | Probe Length | Cable Length | Max Temp °C (F) | T/C Type | Tip Style |
|-----------------------|-----------------|--------------|--------------|-----------------|----------|------------|
| TCCTL-J-4.5U-600-1-TT | 4.5 mm | 600 mm | 1 m | 260 (500) | Type J | Ungrounded |
| TCCTL-J-6U-600-1-TT | 6 mm | 600 mm | 1 m | 260 (500) | Type J | Ungrounded |
| TCCTL-K-4.5U-600-1-TT | 4.5 mm | 600 mm | 1 m | 260 (500) | Type K | Ungrounded |
| TCCTL-K-6U-600-1-TT | 6 mm | 600 mm | 1 m | 260 (500) | Type K | Ungrounded |
| TCCTL-T-4.5U-600-1-TT | 4.5 mm | 600 mm | 1 m | 260 (500) | Type T | Ungrounded |
| TCCTL-T-6U-600-1-TT | 6 mm | 600 mm | 1 m | 260 (500) | Type T | Ungrounded |
| TCCTL-E-4.5U-600-1-TT | 4.5 mm | 600 mm | 1 m | 260 (500) | Type E | Ungrounded |
| TCCTL-E-6U-600-1-TT | 6 mm | 600 mm | 1 m | 260 (500) | Type E | Ungrounded |