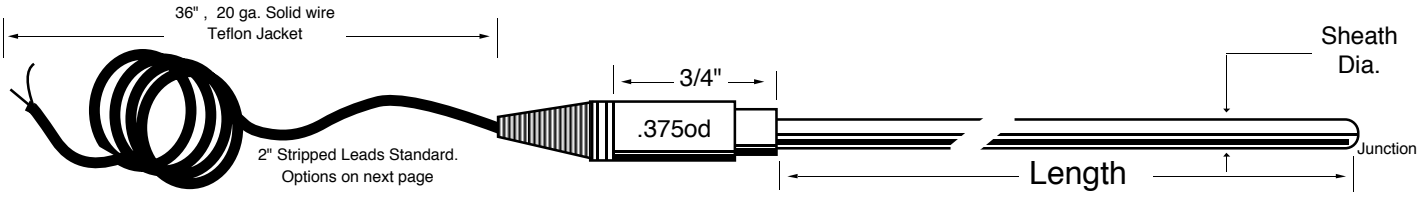
Heavy Duty Transition Thermocouple Assemblies



TIP
Temperature Tools™
1-800-TIP-TEMP

- Standard 36" Teflon leads - other lengths available.
- NIST Certificate Of Calibration Available. See page 13
- 316 SS & Inconel bendable Sheath
- Dual Thermocouple Available. See Option 2
- Premium Thermocouple Available. See Option1
- Quantity Discounts Available. See Page 2
- Blanket orders will result in lower pricing.

HOW TO ORDER

Select OUTLINED Text To Create Part Number

Style	Calibration	Sheath Material	Sheath Dia.	Junction	Length	Pricing For All T/C's
TC16	+ Iron - Constantan J **Black** 32 to 1400°F 0 to 760°C + Copper - Constantan T **Blue** -320 to 700°F -195 to 370°C +Chromel - Constantan E **Purple** 32 to 1600°F 0 to 900°C + Chromel - Alumel K **Yellow** 32 to 2300°F 0 to 1260°C	SS **316 Stainless Steel Most Common** Max Temp. 1700°F / 926°C Recomended for general purpose chemical applications. Food Applications! IN **INCONEL 600** Max Temp. 2100°F / 1150°C Recomended for gas furnaces, lead baths, and bath mixture containing cyanide. Do not use in salt baths contaminated by sulphur	116 **1/16" or .062** 18 **1/8" or .125** 316 **3/16" or .187** 14 **1/4" or .250** 38 **3/8" or .375**	GROUNDED (Most Common) The element is welded directly to the tip of the sheath. This provides better protection against corrosive and mechanical damage than does the exposed junction. The response time is relatively fast. EXPOSED Bare thermocouple wires are butt-welded and insulation is sealed. Exposed tip provides fastest possible response time, but leaves element without protection against corrosive or mechanical damage. UNGROUNDED The welded junction is imbedded in the insulation away from the welded end. This provides protection from electrical interference as well as corrosive and mechanical damage. Response time is slow.	**Specify** **Length** **in** inches	1/16"-1/8"- 3/16" DIAMETER THERMOCOUPLE : 1" TO 12" $32.00 13" TO 24" $34.50 25" TO 36" $37.00 37" TO 48" $39.50 49" TO 60" $42.00 61" TO 72" $44.50 EACH ADD'L 12" INCREMENT $3.00 1/4" DIAMETER THERMOCOUPLE : 1" TO 12" $35.00 13" TO 24" $42.00 25" TO 36" $49.00 37" TO 48" $56.00 49" TO 60" $63.00 61" TO 72" $68.00 EACH ADD'L 12" INCREMENT $10.00 UNGROUNDED PROBES ADD $3.00

SEE OPTION 1 — SEE OPTION 2 — SEE OPTION 3 — SEE OPTION 4

TC16 — J — SS — 14 — U — 12 -= $38.00

Sample Part Number — $3.00 — $35.00

Additional Options

1. Premium T/C increases sensor accuracy. Use Prefix "P", see page 55 for more info(Price x 1.25)
2. Duplex thermocouple insert double calibration letters. Example KK (Price x 1.50)
3. Special Sheath Material is available, see page 52.
4. Teflon coated Thermocouple, use suffix TEFLON (1st 12" = $20.00, each add'l 12" add $10.00)
5. Weld Pads are available add suffix WP-Style →
   Parallel (PL) 1" x 1" SS = $15., INC = $20.
   Perpendicular (PL90) 1" x 1" SS = $20., INC = $25.
   Curved* (CV) 1" x 1" SS = $20., INC = $25.
   *Specify Pipe Radius — One time $50.00 Set Up Charge
6. Adjustable Compression Fittings are on page 21.