Design Features

- Ceramic Insulator to Insulate Wires
- Choice of Alumina 3450°F (1900°C), Mullite 3100°F (1700°C), Hexoloy SA (sintered silicon carbide) 3000°F (1650°C) or Silicon Carbide (carbon bonded) 2300°F (1260°C)

- With or Without Threaded Process Mounting Bushing
- Available with Double Protection Tube

Ordering Code:

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Sheath Material

- A = Alumina
- H = Hexoloy SA (sintered silicone carbide)
- M = Mullite
- S = Silicon Carbide (carbon bonded)
- X = Other (Specify)

Tube & Fitting Size

- 1 = 3/8" OD (1/4" ID) — 1/2" NPT Thread for Style TCS-8 (available in Alumina, Mullite or Hexoloy SA only)
- 2 = 5/8" OD (3/8" ID) — 1/2" NPT Thread for Style TCS-8 (available in Hexoloy SA only)
- 3 = 11/16" OD (7/16" ID) — 3/4" NPT Thread for Style TCS-8 (available in Alumina or Mullite only)
- 4 = 3/4" OD (1/2" ID) — 3/4" NPT Thread for Style TCS-8 (available in Hexoloy SA only)
- 5 = 2-1/16" OD (Style TCS-7) (available in carbon bonded silicone carbide only)
- X = Other (Specify)

Wire Gauge

- A = 24 ga. (Type S, R and B)
- B = 20 ga.
- C = 14 ga.
- D = 8 ga.
- X = Other (Specify)

“L” Dimension

- Whole inches 12 to 48 in 6-inch increments
- For lengths over 48 in. consult TEMPCO.

Threaded Bushing Material

- S = Stainless Steel
- B = Brass
- Enter 0 for TCS-7

Protection Tube

- 1 = Single Protection Tube (Std.)
- 2 = Double Protection Tube

Connection Head

- A = Standard Size Aluminum
- H = Standard Cast Iron
- S = Stainless Steel
- Note: All have 1/2” conduit connection (3/4” available). For overall dimensions see pages 14-98 through 14-100.

Special Requirements

- 0 = None
- X = Specify

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.
Tempco manufactures many styles of industrial thermocouple assemblies for a wide range of industries, from petrochemical to textile applications, where one or more protection tubes may be necessary to protect the thermocouple.

**Thermowell Assemblies**

- Style TCS – 1 with Thermowell
- Thermocouple Head, Nipple, Thermowell

- Style TCS – 3 with Thermowell
- Thermocouple Head, Nipple, Union, Nipple, Thermowell

**Ceramic Tube Assemblies**

- Style TCS – 7
- Thermocouple Head, Fixed Bushing, Ceramic Tube

- Style TCS – 8
- Thermocouple Head, Ceramic Tube

**Metal Protecting Tube Assemblies**

- Style TCS – 4
- "L" → Thermocouple Head, Metal Protecting Tube

- Style TCS – 5
- "L-2" → Fixed Elbow

- Style TCS – 6
- "L-1" → Universal Elbow

View Product Inventory @ www.tempco.com