Base Metal — Bare and Fiberglass or Ceramic Insulated Thermocouple Wire

Tempco offers general purpose thermocouple elements in ANSI Type J and K. The general purpose elements are available with a twisted and welded or butt-welded junction. Available in 8 ga., 14 ga. and 20 ga. with standard calibration tolerances.

**Style B — Bare Thermocouple Wire**

- Twisted and Welded Junction
- Butt-Welded Junction

**Style F — Thermocouple Wire with Fiberglass Sleevin**

- Twisted and Welded Junction
- Butt-Welded Junction

**Style O — Thermocouple Wire with 2-Hole Oval Insulator**

- Twisted and Welded Junction
- Butt-Welded Junction

- 8 ga. insulator P/N COR-120-105
- 14 ga. insulator P/N COR-120-104
- 20 ga. insulator P/N COR-120-106

* See Page 14-96 for Insulator Dimensions. *

**Style R — Thermocouple Wire with 2-Hole Round Insulator**

- Twisted and Welded Junction
- Butt-Welded Junction

- 8 ga. insulator P/N COR-127-102
- 14 ga. insulator P/N COR-126-102
- 20 ga. insulator P/N COR-125-102

* See Page 14-96 for Insulator Dimensions. *

**Ordering Information**

Base Metal Thermocouple Element Styles B, F, O and R are offered with the options listed below. Create an ordering code by filling in the boxes with the appropriate number and/or letter designation for your requirements, and a part number will be assigned.

**Ordering Code:**

- **TCB**
- **Design Style** B, F, O or R
- **Calibration** ANSI Type K or J
- **Wire Gauge Size** 8 ga. (08), 14 or 20
- **Junction W** = Twisted and Welded
- **B** = Butt-Welded
- **Length** “L” in whole inches — 06-99

**WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)
Industrial Thermocouples

Temperature Sensing

Base Metal Thermocouples

Design Features
* Base Metal Thermocouple Elements insulated with ceramic insulators
* Can be used to replace thermocouple inserts in industrial thermocouple assemblies

Style D — Dual Element (Available in 14 ga. and 20 ga. only)
Dual set of thermocouple wires with 4-hole round alumina insulators

- 14 ga. insulator P/N COR-128-102
- 20 ga. insulator P/N COR-128-101
* See Page 14-96 for Insulator Dimensions.

Ordering Information
Base Metal Thermocouple Element Style D is offered with the options listed below. Create an ordering code by filling in the boxes with the appropriate number and/or letter designation for your requirements, and a part number will be assigned.

Ordering Code: TCB - D - 1 - 2 - 3

- Design Style
- Calibration ANSI Type K or J
- Wire Gauge Size 14 or 20
- Butt-Welded Junction 1 = Common 2 = 2 separate junctions
- Length “L” in whole inches — 3" min.

Style A — Angle Element
Angle thermocouple wires with 2-hole round ceramic insulators.

- Twisted and Welded Junction
- Butt-Welded Junction

- 8 ga. insulator P/N COR-120-105
- 14 ga. insulator P/N COR-120-104
- 20 ga. insulator P/N COR-120-106
* See Page 14-96 for Insulator Dimensions.

Ordering Information
Base Metal Thermocouple Element Style A is offered with the options listed below. Create an ordering code by filling in the boxes with the appropriate number and/or letter designation for your requirements, and a part number will be assigned.


- Design Style
- Calibration ANSI Type K or J
- Wire Gauge Size 8 ga. (08), 14 or 20
- Length “A” in whole inches — 3” min.

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

View Product Inventory @ www.tempco.com