



Base Metal — Bare and Fiberglass or Ceramic Insulated Thermocouple Wire

HK 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 Sleaving



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

• 14 ga. insulator

• 20 ga. insulator

Style R — Thermocouple Wire with 2-Hole Round Insulator



Twisted and Welded Junction



Butt-Welded Junction

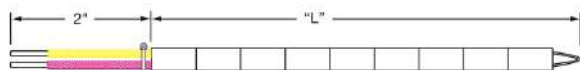
• 8 ga. insulator

• 14 ga. insulator

• 20 ga. insulator

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:

TCSE -

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



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

• 20 ga. insulator

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 appropriate number and/or letter designation for your requirements, and a part

Ordering Code:

TCSE - D

Design Style

Calibration ANSI Type K or J

Wire Gauge Size 14 or 20

Butt-Welded Junction

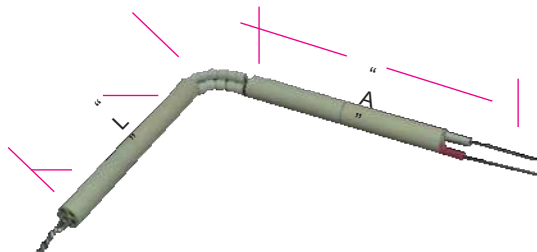
1 = Common

2 = 2 separate junctions

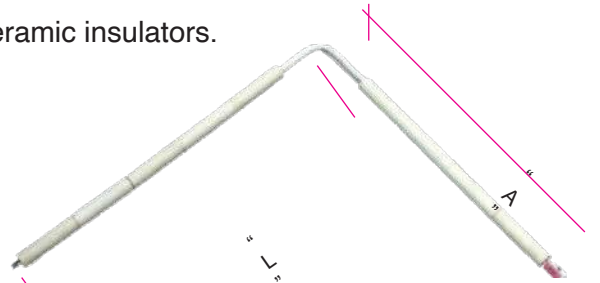
Length "L" in whole inches — 06-99"

Style A — Angle Element

Angle thermocouple wires with 2-hole round ceramic insulators.



Twisted and Welded Junction



Butt-Welded Junction

• 8 ga. insulator

• 14 ga. insulator P/N COR-120-104

• 20 ga. insulator

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 approximate number and/or letter for your requirements, and a part number will be assigned

Ordering Code:

TCSE - A

Design Style

Calibration ANSI Type K or J

Wire Gauge Size 8 ga. (08), 14 or 20

Length "L" in whole inches — 3" min.

Junction W = Twisted and Welded

B = Butt-Welded

Length "A" in whole inches — 3" min.

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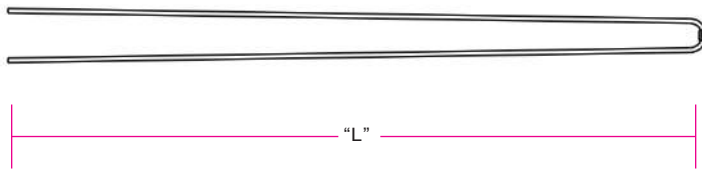


Noble Metal Thermocouples

Design Features

- ★ Noble Metal Thermocouple Elements ANSI Type R and S are provided in accordance with ITS90, and ANSI Type B is provided in accordance with IPTS-68.
- ★ Alumina insulators are recommended with noble metal thermocouples. All noble metal elements have a butt-welded junction & are available in 20 ga. (.032"), 24 ga. (.020") and 30 ga. (.010").

Style NB — Noble Bare Thermocouple Wire



Ordering Information

Noble Metal Thermocouple Element Style NB 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:

TCSE

 -

N

B

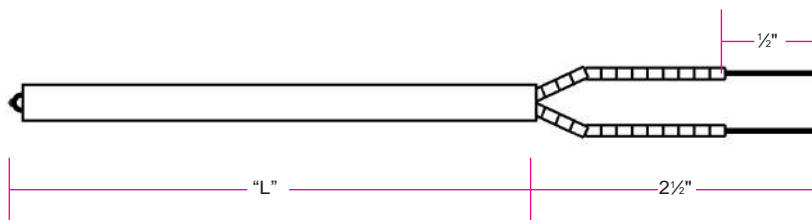
Design Style

Calibration ANSI Type R, S, or B

Length "L" in whole inches — 6" min.

Wire Gauge Size 20, 24 or 30 gauge

Style NZ — Noble Thermocouple Wire with 2-Hole Round Alumina Insulator



Ordering Information

Noble Metal Thermocouple Element with 2-hole Alumina insulator Style NZ 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:

TCSE

 -

N

Z

Design Style

Calibration ANSI Type R, S, or B

Length "L" in whole inches — 6" min.

Wire Gauge Size 20, 24 or 30 gauge

- 30 ga. Insulator
- 24 ga. Insulator
- 20 ga. Insulator