



### Mineral Insulated Thermocouple Cable Ordering Worksheet

Ordering Code: **MTC** -

Designates  
**TEMPCO-PAK** Sheathed  
Mineral Insulated  
Thermocouple Cable

**Calibration Code** — See page 14-117

ANSI Standard Tolerances	Special Tolerances
<b>J</b> = (Iron/Constantan)	<b>3</b>
<b>K</b> = (Chromel®/Alumel)	<b>4</b>
<b>E</b> = (Chromel®/Constantan)	<b>5</b>
<b>T</b> = (Cu/Constantan)	<b>6</b>
<b>N</b> = (Nicrosil®/Nisil)	<b>7</b>
<b>R</b> = (Pt/Pt-13% Rh) PER ITS-90	
<b>S</b> = (Pt/Pt-10% Rh) PER ITS-90	
<b>B</b> = (Plat-6% Rh/Plat-30% Rh)	
<b>C</b> = (W-5% Re/W-26% Re)	
<b>O</b> = Miscellaneous (Consult Factory)	

#### Number of Conductors

**2** = 2-wire construction (Single Element)  
**4** = 4-wire construction (Duplex Element)

**Insulation** — See page 14-118

**M** = 96% min. MgO  
**H** = 99.4% min. MgO  
**A** = 99.6% Alumina

# Ordering Worksheet



**Note:** For a complete description of Worksheet options see pages 14-115 through 14-118.

#### Sheath O.D.

<b>A</b> = .020" ±.001	<b>L</b> = 1.0 mm ±.03
<b>B</b> = .032" ±.001	<b>N</b> = 1.5 mm ±.03
<b>C</b> = .040" ±.001	<b>P</b> = 2.0 mm ±.03
<b>D</b> = .063" ±.001	<b>Q</b> = 3.0 mm ±.05
<b>E</b> = .093" ±.002	<b>R</b> = 4.5 mm ±.05
<b>F</b> = .125" ±.002	<b>S</b> = 6.0 mm +.07/-.05
<b>G</b> = .188" ±.002	<b>T</b> = 8.0 mm +.07/-.05
<b>H</b> = .250" +.003/-.002	<b>V</b> = 9.0 mm +.07/-.05
<b>J</b> = .313" +.003/-.002	
<b>K</b> = .375" +.003/-.002	

**Sheath Material** — See pages 14-115 and 14-116

<b>A</b> = Alloy 600	<b>L</b> = 446 SS
<b>B</b> = 304 SS	<b>M</b> = Pure platinum
<b>C</b> = 316 SS	<b>N</b> = Platinum 10% rhodium
<b>D</b> = 304L SS	<b>P</b> = Platinum 20% rhodium
<b>E</b> = 316L SS	<b>Q</b> = Hastelloy X®
<b>F</b> = 310 SS	<b>R</b> = Inconel® 601
<b>G</b> = 321 SS	<b>S</b> = Incoloy® 800
<b>H</b> = 347 SS	<b>T</b> = Incoloy® 800HT
<b>J</b> = Nickel 200	<b>U</b> = Tantalum
<b>K</b> = Nickel 201	<b>V</b> = Molybdenum

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

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