



### Metric — Single Element Standard Size List



O.D. (mm.)	Part Number	ANSI Calibration	Insulation (Min. Purity)	Sheath Material	Nom. Wall Thickness (mm.)	Nom. Wire Dia. (mm)	Max. Operating Temp. (°C)	Max. Stock Length (m.)
<b>1.5</b> <b>±.03</b>	MTC00148	J	99.4% MgO	Alloy 600	0.20	0.28	815	167
	MTC00149	K	99.4% MgO	Alloy 600	0.20	0.28	1093	167
	MTC00150	J	99.4% MgO	304	0.20	0.28	815	167
	MTC00151	K	99.4% MgO	304	0.20	0.28	898	167
<b>2.0</b> <b>±.03</b>	MTC00152	J	96.0% MgO	Alloy 600	0.25	0.36	815	93
	MTC00153	K	96.0% MgO	Alloy 600	0.25	0.36	1093	93
	MTC00154	J	96.0% MgO	304	0.25	0.36	815	93
	MTC00155	K	96.0% MgO	304	0.25	0.36	898	93
	MTC00156	J	96.0% MgO	316	0.25	0.36	815	93
	MTC00157	K	96.0% MgO	316	0.25	0.36	898	93
<b>3.0</b> <b>±.05</b>	MTC00158	J	96.0% MgO	Alloy 600	0.33	0.46	815	84
	MTC00159	K	96.0% MgO	Alloy 600	0.33	0.46	1093	84
	MTC00160	J	96.0% MgO	304	0.33	0.46	815	84
	MTC00161	K	96.0% MgO	304	0.33	0.46	898	84
	MTC00162	E	96.0% MgO	304	0.33	0.46	871	84
	MTC00163	T	96.0% MgO	304	0.33	0.46	343	84
	MTC00164	J	96.0% MgO	316	0.33	0.46	815	84
	MTC00165	K	96.0% MgO	316	0.33	0.46	898	84
<b>4.5</b> <b>±.05</b>	MTC00166	J	96.0% MgO	Alloy 600	0.53	0.69	815	37
	MTC00167	K	96.0% MgO	Alloy 600	0.53	0.69	1093	37
	MTC00168	J	96.0% MgO	304	0.53	0.69	815	37
	MTC00169	K	96.0% MgO	304	0.53	0.69	898	37
<b>6.0</b> <b>+07</b> <b>-05</b>	MTC00170	J	96.0% MgO	Alloy 600	0.69	0.94	815	21
	MTC00171	K	96.0% MgO	Alloy 600	0.69	0.94	1093	21
	MTC00172	J	96.0% MgO	304	0.69	0.94	815	21
	MTC00173	K	96.0% MgO	304	0.69	0.94	898	21
<b>8.0</b> <b>+07</b> <b>-05</b>	MTC00174	J	96.0% MgO	Alloy 600	0.91	1.22	815	12
	MTC00175	K	96.0% MgO	Alloy 600	0.91	1.22	1093	12
	MTC00176	J	96.0% MgO	304	0.91	1.22	815	12
	MTC00177	K	96.0% MgO	304	0.91	1.22	898	12

### Ordering Information

#### Standard Thermocouple Cable

Order by Part Number from the Lists on Pages 14-120 through 14-123.

Thermocouple wire is sold by the foot and is subject to minimum billing.

Tempco-Pak is stocked in random lengths with the maximum stock lengths listed in the tables showing the varieties of commonly available material. Tempco reserves the right to supply random lengths of our choice unless specific lengths are indicated on your order. Tempco-Pak can be furnished in coil form or in straight lengths. Normally .375" diameter and .312" diameter are shipped in straight lengths. Longer lengths are available on special order.

#### Custom Manufactured Thermocouple Cables

For sizes and specifications not listed, Tempco will design and manufacture a Mineral Insulated Thermocouple Cable to meet your requirements. Please refer to the ordering worksheet on page 14-119 and follow the model as diagrammed to specify your requirements with the Tempco code number.

In addition, refer to page 14-124 and **specify the following**:

- Configuration type
- Sheath wall thickness
- Conductor Configuration and Size
- Minimum acceptable lengths and total length required

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

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