

Standard Design Multipoint Thermocouples

Sheath Materials Available:

Standard - SST 304, SST 316, Alloy 600 (aka Inconel™ 600)

Special Order - Hastelloy C-276, Hastelloy X, Nickel 200, 310SST, 321SST, others (consult factory)

Standard calibrations: K, J, E, T, N

Junction types available: grounded or ungrounded **Note:** Junction locations are measured from the bottom of the transition housing. The junction location tolerance is typically +/- the diameter of the sheath.

Standard transition sizes:

Number of points	Transition diameter and length
2 - 3	1/2" x 4"
4 -5	3/4" x 4"
6 -7	1" x 4"
8 -12	1" x 6"
13 -16	1 1/2" x 6"
17 -20	2" x 6"
21 -25	2 3/8" x 6"
26 -30	2 3/8" x 8"

Standard sheath diameter and maximum number of points:

Diameter	Number of points
.062"	4
.092"	7
.125"	12
.188"	24
.250"	30
.313"	30

Maximum available lengths:

Diameter	Length
.062"	20 feet
.092"	20 feet
.125"	100 feet
.188" to .375"	110 feet

Additional information:

- Insulation resistance of mineral insulated cable prior to junctioning > 100 megohms at 50 vdc at room temperature.
- Standard limits of error or special limits of error are available.
- Sheath hardness is furnished in the 1/4 hard condition unless requested.
- Units longer than 8 feet will be shipped in a coil.
- Transitions are epoxy filled with 350°F resin.