

TC12BT Ceramic Insulated Thermocouple

Model Code

TC12BT - T1 - T2 - T3 - T4 - T5

TC12BT Ceramic Insulated Thermocouple

T1	Wire Gauge
8	8 AWG
14	14 AWG

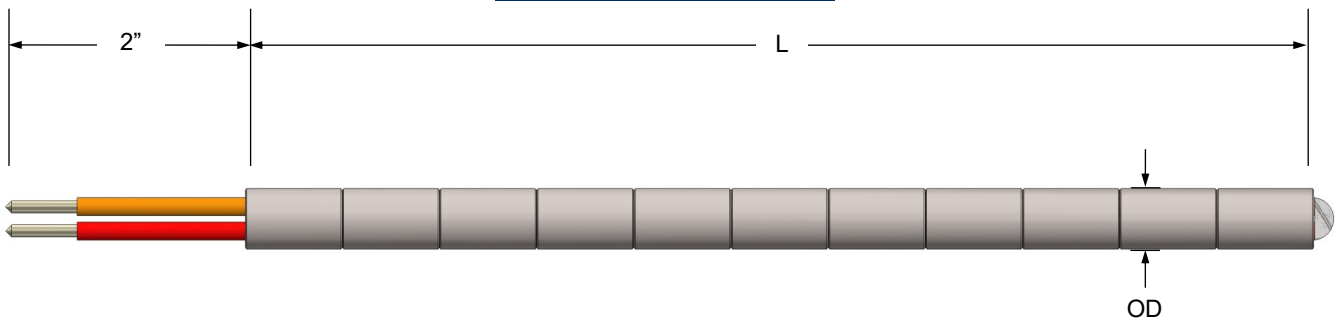
T2	Insulator - Refer to table below for sizing
O	Oval
R	Round

T3	Junctions
S	Single
D	Dual

T4	Thermocouple Type
K	Type K
J	Type J
N	Type N
Other	Consult factory

T5	Sensor Probe "L" Length (inches)
"inches"	Specify length in inches

Outline & Dimensions



Model Code	Ceramic Insulator Dimensions		
	OD	Insulator Length (ea)	Hole Size
TC12BT-8-O-S-_-_-	0.445" x 0.261"	1"	0.190"
TC12BT-8-R-S-_-_-	0.468"	1"	0.156"
TC12BT-14-O-S-_-_-	0.375" x 0.219"	1"	0.094"
TC12BT-14-R-S-_-_-	0.250"	1"	0.094"
TC12BT-14-R-D-_-_-	0.313"	1"	0.091"
Configurations not available			
TC12BT-8-O-D-_-_-		NA	
TC12BT-8-R-D-_-_-		NA	
TC12BT-14-O-D-_-_-		NA	

NOTES:

1. Part number example: TC12BT-14-R-S-K-18
2. Temperature rating is the thermocouple type or ceramic insulator, whichever is less
3. Ceramic insulator material is Alumina (1650°C) or Mullite (1800°C)
4. Ceramic insulator can be supplied in a continuous length up to 42"
5. Bold text indicates most common part selections

TC12PT Ceramic Sheathed Thermocouple

Model Code

TC12PT - T1 - T2 - T3 - T4

TC12PT Ceramic Sheathed Thermocouple

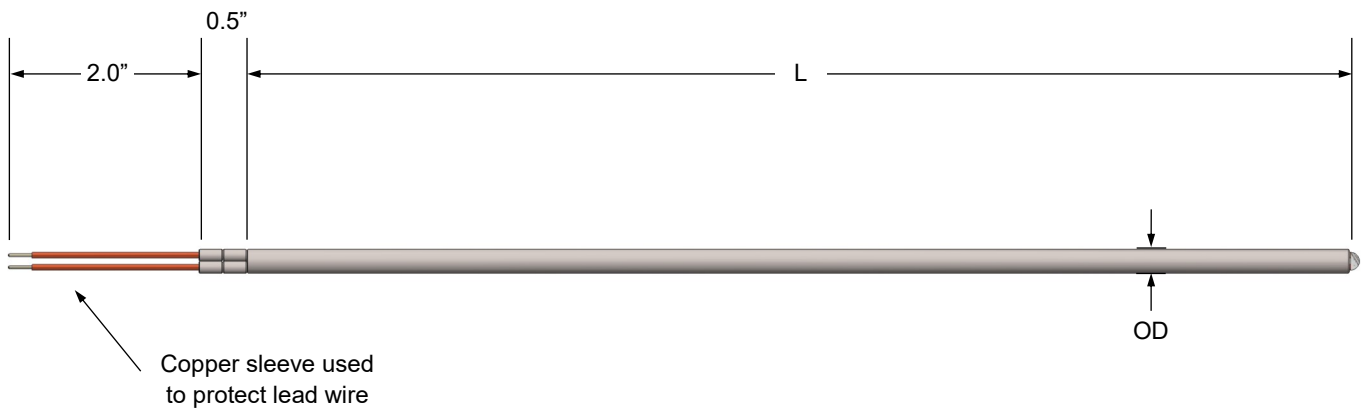
T1	Sheath - OD
12	0.125" Alumina tube
18	0.187" Alumina Tube

T2	Thermocouple Junction Quantity
S	Single
D	Dual

T4	Thermocouple Type
R	Type R (black/ red)
S	Type S (black/ red)
B	Type B (grey/ red)

T4	Sensor Probe "L" Length (inches)
"inches"	Specify length in inches

Outline & Dimensions



NOTES:

1. Part number example: TC12PT-12-S-S-12
2. Temperature rating is the thermocouple type or ceramic insulator, whichever is less
3. Ceramic insulator material is Alumina (1650°C rating).
4. Thermocouple wire AWG = 24 for TC12PT models.

