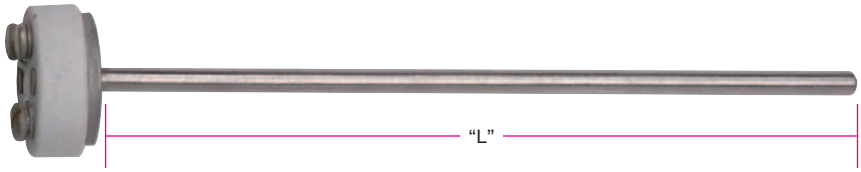
MI Cable Thermocouple Assemblies

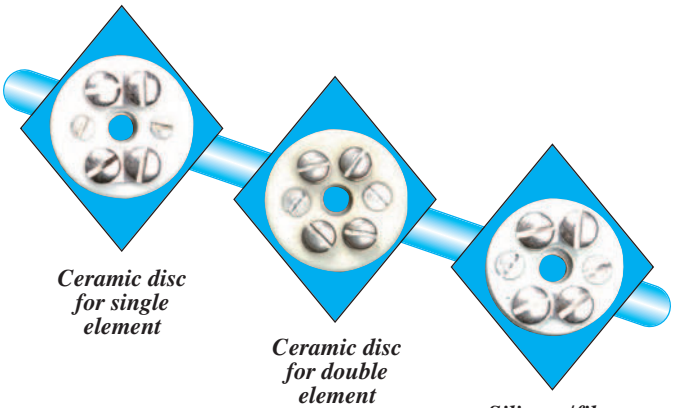
Made in USA

Style MTA3 — Open Disc Termination



Design Features

- *Economical termination with nickel plated brass inserts.*
- *Available in sheath diameters ranging from 0.063" to 0.250", single and duplex construction.*



Ceramic disc for single element

Ceramic disc for double element

Silicone/fiber disc for single element

Optional Installation Compression Fitting See Box 10

Ordering Information

Thermocouples are offered with the options listed in the worksheet 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: MTA3 – [1] [2] [3] [4] [5] [6]–[6] [7] [8] [9] [10] [11]

Calibration Code *BOX 1*

ANSI Standard Tolerances	**J**	**K**	**E**	**T**	**N**	**R**	**S**	**B**
Special Tolerances	**3**	**4**	**5**	**6**	**7**			

Number of Conductors *BOX 2*

2 = Single (Standard)
4 = Duplex

Insulation *BOX 3*

M = 96% min. MgO (Standard)
H = 99.4% min. MgO

Sheath Material *BOX 4*

A = Alloy 600
B = 304 SS
C = 316 SS

Sheath O.D. *BOX 5*

D = .063" ±.001
E = .092" ±.001
F = .125" ±.002
G = .188" ±.002
H = .250" +.003/–.002
P = 2.0 mm ±.03
Q = 3.0 mm ±.03
R = 4.5 mm ±.05
S = 6.0 mm +.07/–.05

Sheath Length "L" *BOX 6*

Whole inches
01 to **99**
For lengths over 99 in. consult TEMPCO.

Sheath Length "L" *BOX 7*

Fractional inches
0 = 0"
1 = 1/8"
2 = 1/4"
3 = 3/8"
4 = 1/2"
5 = 5/8"
6 = 3/4"
7 = 7/8"

Junction *BOX 8*

	Grounded	Ungrounded	Exposed
Single	**G**	**U**	**E**
Dual, common	**4**	**5**	**6**
Dual, isolated	**—**	**7**	**8**

Termination *BOX 9*

1* = Silicone/glass cloth to 350°F (177°C) 1" O.D. with Brass mounting plate
2 = Ceramic to 1000°F (538°C) 1-1/8" O.D. Single and Dual element with SS mounting plate
* Single element only

Optional Compression Fitting *BOX 10*

1 = 1/8" NPT SS
2 = 1/4" NPT SS
3 = 1/2" NPT SS
0 = None Required
4 = 1/8" NPT Brass
5 = 1/4" NPT Brass
6 = 1/2" NPT Brass

Special Requirements *BOX 11*

X = Specify
0 = None

⚠ **WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov.