



Mineral Insulated Thermocouple Cable Ordering Worksheet

Ordering Code: **MTC** - 1 2 3 4 5

Designates
TEMPCO-PAK Sheathed
Mineral Insulated
Thermocouple Cable

Calibration Code — See page 14-117

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

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

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

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

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

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