

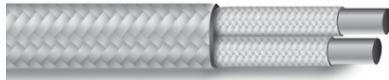


EMPOWERING PROCESS MANAGEMENT



HEAVY CERAMIC FIBER Insulated Thermocouple Wire Max. Temp. up to 800 °C

CERAMIC FIBER INSULATION is ideal for EXTREME TEMPERATURE APPLICATION.



TYPE OF TC	Metal Alloy + ve leg	Metal Alloy – ve leg
K	Ni Cr	Ni Al
E	Ni Cr	Cu Ni
N	Ni Cr Si	Ni Si

APPLICATIONS

- Metal Production
- Furnaces & Ovens
- Braided Thermocouple Replacement
- Heat Treatment
- Brick And Tile kiln
- Steel & Aluminum

PRODUCT FEATURES

- Continuous use up to 800 °C
- Single exposure up to 1100 °C
- Good Thermal Durability & Strength
- Flame Retardant
- Superior Abrasion Resistance
- Better flexibility

PRODUCT SPECIFICATIONS:

Conductor	Solid or stranded thermocouple grade wires from 12 AWG to 24 AWG (2.44mm to 0.52mm)
Core Insulation	Braided Ceramic Fiber
Construction	Parallel Conductors
No. of Pair	1
Outer Sheath	Braided Ceramic Fiber
SS JACKET	Outside SS Metal braid
Color Coding	Supplied white without tracers

- Optional High Temperature Impregnation
- Optional construction of twisted conductors.
- Duplex construction are also available
- Optional color tracers for positive & negative polarity
- Thermocouple wires are normally supplied to meet tolerance above 0 °C. If material is reqd. to meet tolerance below 0 °C, the purchaser should clarify the same in Purchase Order. Special selection of material is reqd.
- Initial calibration & Tolerance suggested, its requirement should be discussed well in advance before placing the order.

Initial Calibration Tolerances as per ASTM E230 and ANSI MC96.1

Thermocouple Designation	Temperature Range °C (°F)	Standard Grade Limits °C (°F) whichever is greater	Tolerance-Reference Junction 0°C (32 °F)
			Special Grade Limits °C(°F) Whichever is greater
Thermocouple Grade Wires			
Kt	0 (32) to 1250 (2282)	±2.2 (4.0) or ±0.75%	±1.1 (2.0) or 0.4%
	-200 (-328) to 0 (32)	±2.2 (4.0) or ±2%	-----
Et	0 (32) to 900 (1652)	±1.7 (3.0) or ±0.5%	±1.0 (1.8) or 0.4%
	-200 (-328) to 0 (32)	±1.7 (3.0) or ±1%	-----
Nt	0 (32) to 1300 (2372)	±2.2 (4.0) or ±0.75%	±1.1 (2.0) or 0.4%
	-270(-454) to 0 (32)	±2.2 (4.0) or ±2%	-----



ELTEC CABLES & INSTRUMENTS

16, Bhaktinagar Station Plot, Rajkot-360 002. INDIA.

Tel. : +91 281 2480400 URL : www.thermocouplewire.co.in

E-mail : eltecinc@gmail.com | sales@thermocouplewire.co.in