

**Part Number: K1X-WBWT-40G-EX-CINS-6-MPCX**

Effective Date 6/24/2022

**Product Description:** Type K Thermocouple Super-Fast Response 40 Gage Diameter Wire Exposed Junction and 1/8" Diameter Ceramic Alumina Insulator 6 Inches Long with Miniature Connector

**Type K Thermocouple Assembly**  
**Super Fast Response Exposed**  
**40 Gage (.003") Diameter Wire**

**1/8" Diameter Alumina (Ceramic) Insulator**

**Temperature Range**  
**-328°F to 2300°F**  
**(-200 to 1260°C)**

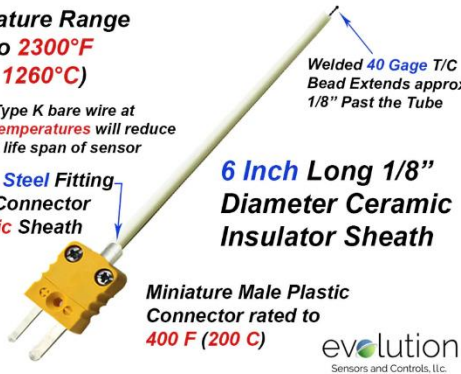
Fine gage Type K bare wire at maximum temperatures will reduce operational life span of sensor

Stainless Steel Fitting  
Secures Connector  
to Ceramic Sheath

**6 Inch Long 1/8"**  
**Diameter Ceramic**  
**Insulator Sheath**

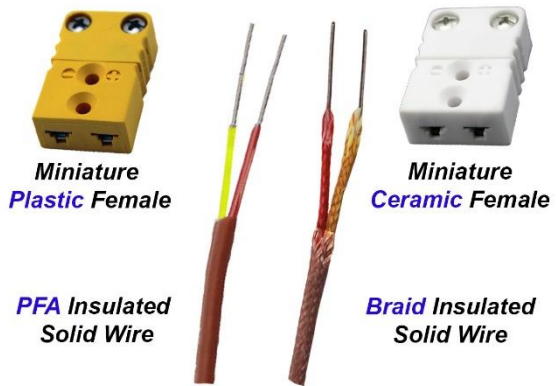
Miniature Male Plastic  
Connector rated to  
**400 F (200 C)**

Welded 40 Gage T/C  
Bead Extends approx.  
1/8" Past the Tube



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**Type K Thermocouple Probe**  
**Alumina (Ceramic) Sheath**  
**Accessories**



Thermocouple Type	K Calibration (Positive Wire: Nickel Chrome) (Negative Wire: Nickel Aluminum)
Thermocouple Junction	Fast Response Exposed Welded Bead
Thermocouple Wire Diameter	.003" (40 Gage)
Probe Diameter	1/8" (.125" or 3.18 mm)
Probe Sheath Material	Ceramic Alumina (Rated to 3632°F or 2000°C)
Probe Junction Temperature Range	-328 to 2300°F (-200 to 1260°C) Long Term Temperature Functionality Up To 1290°F (700°C)
Transition Fitting	1/8" (.125") Diameter Ceramic Alumina Tube, Ceramic Cement Backfill with .125" Crimp Adapter
Instrument Termination	Miniature Male Flat Pin Thermoplastic Connector Rated to -40 to 400°F (-40 to 200°C)
Color Coding	Yellow Connector
RoHS Status	Compliant to RoHS 2 and 3 directives