

Part Number: K1X-FPTS-24G-XFT (X = 25, 50, 100, 200, 500, or 1000 FT)

Product Description: Type K Twisted Shielded 24 Gage Solid Thermocouple Wire FEP Insulated. 200 ft continuous length.

**Type K Twisted Shielded
24 Gage Solid Thermocouple Wire
FEP Insulation Temperature Range
-328 to 400°F (-200 to 200°C)**

ANSI Color Coded
Positive Wire - **Yellow**
Negative Wire - **Red**
Overall Jacket - **Brown**

**Nickel Plated Copper
Ground Wire 24 Gage
.020" Solid Diameter**

**Overall Insulated
Jacket Diameter
.100" Max**



Type K Twisted Shielded 24 Gage Solid thermocouple grade wire has a FEP insulation over the bare wire with a temperature rating up to 400°F (200°) although it can accurately transfer the full temperature range of Type K thermocouples.

Twisted Shielded and Ground Wire designed to minimize electrical noise interference to the thermocouple millivolt signal. Aluminum Mylar shielding is wrapped over the 2 internal FEP insulated and twisted wires.

The bare ground wire is in contact with the Aluminum shielding side to provide grounding options.

Thermocouple Grade Wire	Type K with the Positive wire being 90% nickel, 10% chromium. Negative wire is 95% nickel, 2% aluminum, 2% manganese and 1% silicon
Wire Length	25, 50, 100, 200, 500, or 1000 FT
Bare Wire Diameter	24 AWG - 0.020" or (0.50 mm) Solid Wire
Insulation Material	FEP Fluoropolymer on single wires and Aluminum Mylar shielding wrap over both wires. Bare ground nickel plated copper wire in contact with aluminum shield side providing grounding options. FEP overall jacket
Insulation Temperature Range	-328 to 400°F (0 to 200°C) on the insulation itself. The wire is capable of accurately transferring the entire temperature range of Type K Thermocouples.
Insulated Wire Construction and Dimensions	Twisted and shielded design with a .010" insulation thickness on single wire and .014" outer jacket. Overall maximum insulated jacket is .100"
Wire Lengths Available	25, 50, 100, 200, 500, or 1000 ft
Color Coding	ANSI with Positive Yellow Wire and Negative Red Wire Overall Jacket is Brown
RoHS Status	Compliant to RoHS 2 and 3 directives