

**Part Number: K1X-FGXX-30G-1000FT**

Effective Date 2/17/2021

**Product Description:** Type K High Accuracy SLE Thermocouple Grade Wire 30 Gage Solid with Fiberglass Braid Insulation and ANSI Color 1000 ft Long.

**Type K Thermocouple Wire**  
**Fine Diameter 30 Gage (.010") Solid**  
**with Fiberglass Braid Insulation**  
**Rated to 900°F (480°C)**

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

.006" FiberGlass Insulation  
on single wires and .006"  
Overall FiberGlass Jacket

Overall Insulated Jacket  
Diameter .030" x .048"  
Parallel Design



30 AWG Gage Solid  
each bare wire is  
(.010") diameter

**High Accuracy SLE**  
**Thermocouple Grade**  
**Wire +/- 2.2°F (1.0°C)**

**1000 Foot**  
**Length**

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**Thermocouple Wire ID# 977600-033**

Temperature Reference		Deviation from Reference	
°F	°C	°F	°C
200	93.33	0.23	0.10
400	204.44	0.22	0.48
600	260.00	0.66	0.30

**Evolution Sensors and Controls**

Thermocouple Type	K Calibration (+ Nickel Chrome – Nickel Aluminum)
Thermocouple Accuracy Grade	High Accuracy SLE (Special Limits of Error) Thermocouple Grade Wire
Bare Wire Diameter	0.010" or (0.25 mm) Solid Wire
Insulation Material	Fiberglass Insulation on single wires and overall jacket
Insulated Wire Temperature Range	32 to 900°F (0 to 482°C)
Insulated Wire Construction and Dimensions	A parallel design with a .006" insulation thickness on single wire and jacket. Overall diameter of the insulated jacket is .030" x .048"
Wire Length	1000 ft (304.8 meters)
Color Coding	ANSI (+ Positive Yellow Wire – Negative Red Wire with Brown Overall Jacket with Yellow stripe)
RoHS Status	Compliant to RoHS 2 and 3 directives