

Polyimide Insulated Thermocouple Wire -KP (-240° C to + 260°C)

KP: Polyimide is fused over each single conductor. The single insulated conductors are laid parallel and insulated with a fused polyimide jacket. Polyimide insulation is also highly effective in radiation environments, providing exceptional resistance to radiation-induced degradation. This insulation material maintains its integrity and performance even when exposed to high levels of radiation



Key Features

- Rated for continuous use at 500° F (260° C).
- Available in standard limits and special Limits of error.
- Operating Temperature -400° F (-240° C)to 500° F (260° C).
- Available in Type J, K, JX, KX, RX & SX

Comparison to Other Constructions:

Abrasion Resistance - Fair
Chemical Resistance - Fair
Moisture Resistance - Fair

Order Code W-TTXX-XX-KP-XXXX- X

1	2	3	4
---	---	---	---

Example: W-TT16-KX-KP-SSOB

Note: Add "IEC" at the end of order code IEC Color coding

Field 1 Wire Gauge Size	
Code	
16	16 AWG. Solid
18	18 Awg. Solid
20	20 AWG. Solid
24	24 AWG. Solid

USE **"S"** with code for stranded conductor

Field 2 Thermocouple Type	
Code	
J	Type J Thermocouple Grade
K	Type K Thermocouple Grade
R/SX	Type RX/SX Extension Grade
JX	Type J Thermocouple EXT Grade
KX	Type K Thermocouple EXT Grade

Field 3 SS Over braiding	
Code	
	Leave Blank if not required
SSOB	Stainless Steel Overbraiding

Field 4 Accuracy	
Code	
	Leave Blank for std. limits
L	For special limits of error

Cond. Size AWG.	Insulation Thickness (Inches)	Jacket Thickness (Inches)	Outer Diameter (Inches)	Net Weight LB/1000 FT
16	0.008	0.010	0.087 x 0.155	22
18	0.008	0.010	0.076 x 0.133	15
20	0.008	0.010	0.068 x 0.116	11
24	0.008	0.010	0.056 x 0.093	5.8