

# K-101

## THERMOCOUPLE CABLE POLYIMIDE TWISTED - 310°C



JSS 51037, ANSI MC 96.1

Voltage Grade : 600V

### SPECIFICATIONS

Conductor	: Solid, Multistrand, Thermocouple Grade Materials as per ASTM E230 & ANSI MC 96.1
Insulation	: Polyimide Taped Insulation
Construction	: Twisted
Operating Temp.	: 310°C
Limit of Error	: According to ASTM E230 / 77 / IEC 584
Color Code	: According to ANSI MC 96.1

### FEATURES

- ✓ Max. Temp. Up to 310°C
- ✓ High Temperature with Standing
- ✓ Good Mechanical Strength
- ✓ Good Moisture, Chemical Abrasion Resistance
- ✓ Excellent Durability
- ✓ Heat Resistant

### AVAILABLE OPTIONS

- ✓ Metal Coverings
- ✓ Metal & Taped Shielding
- ✓ Tighter Than Special Limit Accuracy Tolerance
- ✓ Special Colour Code
- ✓ Calibration Test Report

### CONSTRUCTION DETAILS AND DIMENSIONS

Cable Ordering Code	Wire Type	AWG / SWG No	No of Strands	Strain Dia (mm)	Cross Section Area (mm <sup>2</sup> )	Nominal Bunched Conductor Dia (mm)	Cable Formation	Nominal Diameter mm (Twisted)	Cable Diameter mm (Flat)	Cable Wgt (Approx.) Kg/Km
K101	Solid	24 AWG	1	0.51	0.20	0.51	Twisted	1.70	-	5.6
K102	Multistrand	7X32 AWG	7	0.20	0.22	0.56	Twisted	1.75	-	5.8
K103	Multistrand	7X30 AWG	7	0.25	0.35	0.75	Twisted	2.20	-	9.0
K104	Solid	22 SWG	1	0.71	0.40	0.71	Twisted	2.20	-	9.5
K105	Multistrand	7X32 SWG	7	0.27	0.42	0.82	Twisted	2.50	-	9.8
K106	Solid	20 AWG	1	0.81	0.50	0.81	Twisted	2.50	-	12.5
K107	Multistrand	7X29 AWG	7	0.30	0.50	0.90	Twisted	2.60	-	12.5
K108	Multistrand	16X32 AWG	16	0.20	0.50	0.90	Twisted	2.60	-	12.5
K109	Multistrand	7X28 AWG	7	0.32	0.56	0.96	Twisted	2.70	-	13.0
K110	Multistrand	7X27 AWG	7	0.37	0.75	1.11	Twisted	3.10	-	19.0
K111	Multistrand	24X32 AWG	24	0.20	0.75	1.11	Twisted	3.10	-	19.0
K112	Solid	18 AWG	1	1.02	0.81	1.02	Twisted	3.00	-	21.0
K113	Multistrand	7X26 AWG	7	0.40	0.88	1.20	Twisted	3.40	-	23.0
K114	Solid	17 AWG	1	1.13	1.00	1.13	Twisted	3.20	-	26.0
K115	Multistrand	14X29 AWG	14	0.30	1.00	1.30	Twisted	3.50	-	26.0
K116	Multistrand	32X32 AWG	32	0.20	1.00	1.30	Twisted	3.50	-	26.0
K117	Multistrand	7 X 27 SWG	7	0.43	1.00	1.30	Twisted	3.50	-	26.0
K118	Multistrand	3X22 SWG	3	0.71	1.20	1.55	Twisted	4.20	-	29.0
K119	Multistrand	40X36 SWG	40	0.19	1.25	1.40	Twisted	3.90	-	30.0
K120	Solid	16 AWG	1	1.29	1.30	1.29	Twisted	3.50	-	31.0
K121	Multistrand	19X29 AWG	19	0.30	1.30	1.50	Twisted	4.20	-	31.0
K122	Multistrand	19 X 28 AWG	19	0.32	1.50	1.60	Twisted	4.30	-	34.0
K123	Multistrand	21X29 AWG	21	0.30	1.50	1.55	Twisted	4.30	-	34.0
K124	Multistrand	21X29 AWG	7	0.53	1.50	1.55	Twisted	4.30	-	34.0
K125	Multistrand	48X36 SWG	48	0.19	1.50	1.55	Twisted	4.30	-	34.0

**Note :** Above Parameters are considering single pair cable

### ORDERING CODE

Conductor Size	Type of T/C	Grade of Conductor	No. of Pairs	Color Code	Cable Formation
(KXXX)	(X)	(X)	(XX)	(X)	(X)
101 to 125	K T J E N R S B	T X C	01	A-(ANSI) I-(IEC) J-(JIS)	T-(Twisted)

▲ Table 1 ▲