

# K-101

## THERMOCOUPLE CABLE

KAPTON - POLYIMIDE INSULATED - 316°C



JSS 51037, ANSI MC 96.1

Voltage Grade : 300/500V

### SPECIFICATIONS

Conductor	: Solid, Multistrand, Thermocouple Grade Materials as per ASTM E230 & ANSI MC 96.1
Insulation	: Polyimide Taped Insulation
Construction	: Twisted / Flat
Outer Jacket	: Polyimide Tape Sheathed
Operating Temp.:	: 316°C
Limit of Error	: According to ASTM E230 / 77 / IEC 584
Color Code	: According to ANSI MC 96.1

### FEATURES

- ✓ Max. Temp. Up to 316°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 SIZE	NO. OF STRANDS	STRAND DIAMETER (mm)	AREA OF CONDUCTOR (mm) <sup>2</sup>	BARE CONDUCTOR DIA.(mm)	FORMATION	CABLE DIMENSION (mm)(max.)	CABLE WT. (APPROX) (gm/meter)
K101	7	0.152	0.12	0.46	T / F	1.8	6
K102	7	0.160	0.14	0.48	T / F	1.9	7.5
K103	1	0.510	0.2	0.51	T / F	2	8.6
K104	7	0.200	0.22	0.59	T / F	2.1	9.8
K105	7	0.274	0.42	0.81	T / F	2.6	12.5
K106	14	0.200	0.45	0.84	T / F	2.7	15
K107	1	0.810	0.5	0.81	T / F	2.6	13
K108	7	0.300	0.5	0.89	T / F	3	13.5
K109	24	0.200	0.75	1.1	T / F	3.4	20
K110	14	0.300	1	1.26	T / F	3.8	29
K111	3	0.711	1.2	1.39	T / F	4.3	37
K112	40	0.200	1.25	1.42	T / F	4.4	35
K113	1	1.290	1.3	1.29	T / F	4.2	38
K114	19	0.300	1.3	1.52	T / F	4.6	38
K115	21	0.300	1.5	1.55	T / F	4.7	42
K116	35	0.300	2.5	2	T / F	5.8	67

### 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 116	K T J E N R S D B	T X C	01 02 - - - - 24	A-(ANSI) I-(IEC) J-(JIS)	T-(Twisted) F-(Flat)

Table 1