

K-301

THERMOCOUPLE CABLE POLYIMIDE INSULATED TWISTED CABLE - 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
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
- ✓ Smaller Diameter
- ✓ 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) ²	BARE CONDUCTOR DIA.(mm)	FORMATION	CABLE DIMENSION (mm)(max.)	CABLE WT. (APPROX) (gm/meter)
K301	7	0.152	0.12	0.46	Twisted	1.52	4
K302	7	0.160	0.14	0.48	Twisted	1.6	4.5
K303	1	0.510	0.2	0.51	Twisted	1.7	5.8
K304	7	0.200	0.22	0.59	Twisted	1.8	6.3
K305	7	0.274	0.42	0.81	Twisted	2.4	10.3
K306	14	0.200	0.45	0.84	Twisted	2.5	11.1
K307	1	0.810	0.5	0.81	Twisted	2.4	12
K308	7	0.300	0.5	0.89	Twisted	2.6	12.5
K309	24	0.200	0.75	1.1	Twisted	3	18.5
K310	14	0.300	1	1.26	Twisted	3.5	22
K311	3	0.711	1.2	1.39	Twisted	3.9	28
K312	40	0.200	1.25	1.42	Twisted	3.8	28.5
K313	1	1.290	1.3	1.29	Twisted	3.6	28.5
K314	19	0.300	1.3	1.52	Twisted	4	29
K315	21	0.300	1.5	1.55	Twisted	4.3	33
K316	35	0.300	2.5	2	Twisted	5.1	53

ORDERING CODE

Conductor Size	Type of T/C	Grade of Conductor	No. of Pairs	Color Code	Cable Formation
(KXXX)	(X)	(X)	(XX)	(X)	(X)
301 to 316	K T J E N R S D B	T X C	01	A-(ANSI) I-(IEC) J-(JIS)	T-(Twisted)

Table 1