

T-501

THERMOCOUPLE CABLE

PTFE - POLYIMIDE - BC SCREENING -
PTFE INSULATED - 260°C



JSS 51034, JSS 51038, ANSI MC 96.1

Voltage Grade : 300/500V

SPECIFICATIONS

Conductor	: Solid, Multistrand, Thermocouple Grade Materials as per ASTM E230 / 77 & IEC5843
Insulation	: PTFE Insulation
Construction	: Twisted
Isolator	: Polyimide Tape
Screening	: Copper Screening
Outer Jacket	: PTFE Sheathed
Operating Temp.:	260°C
Limit of Error	: According to ASTM E230 / 77 / IEC 584
Color Code	: According to ANSI MC 96.1

FEATURES

- ✓ Max. Temp. Up to 260°C
- ✓ Excellent Heat Resistant
- ✓ Outstanding Insulating Properties
- ✓ Good Thermal Stability
- ✓ Good Mechanical Strength
- ✓ Flame Retardant
- ✓ Passes JSS 51034 Flame Test
- ✓ Good Abrasion Resistance
- ✓ Excellent Resist to Electro Magnetic Inter Ference

AVAILABLE OPTIONS

- ✓ Silver Plated Copper Screening
- ✓ NPC Screening
- ✓ Twisted / Shielded Pair
- ✓ Special Colour Code
- ✓ Calibration Test Repot
- ✓ Available upto 1.1 KV

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)
T501	1	0.51	0.2	0.51	Twisted	3.6	17
T502	7	0.2	0.22	0.59	Twisted	3.6	14.5
T503	1	0.711	0.4	0.711	Twisted	3.8	20
T504	7	0.274	0.41	0.81	Twisted	4	20
T505	7	0.3	0.5	0.89	Twisted	4.4	25
T506	14	0.300	1	1.26	Twisted	5.1	43
T507	21	0.3	1.5	1.55	Twisted	5.7	60
T508	48	0.2	1.51	1.56	Twisted	5.7	60
T509	7	0.152	0.12	0.46	Twisted	2.6	13.1
T510	7	0.16	0.14	0.48	Twisted	2.65	13.8
T511	14	0.2	0.45	0.84	Twisted	3.8	27.6
T512	7	0.3	0.5	0.89	Twisted	4	30
T513	24	0.2	0.75	1.1	Twisted	4.6	44.5
T514	3	0.711	1.2	1.39	Twisted	5.3	62.6
T515	40	0.2	1.25	1.42	Twisted	5.4	65.2
T516	1	0.129	1.3	1.29	Twisted	5.1	66.4
T517	19	0.3	1.3	1.52	Twisted	5.54	66.4

ORDERING CODE

Conductor Size	Type of T/C	Grade of Conductor	No. of Pairs	Color Code	Cable Formation
(TXXX)	(X)	(X)	(XX)	(X)	(X)
501 to 517	K T J E N R S D B	T X C	01 02 - - - - 24	A-(ANSI) I-(IEC) J-(JIS)	T-(Twisted)

Table 1