

## T-501

### THERMOCOUPLE CABLE

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



JSS 51034, IEC 60584.3, JSS 51038

Voltage Grade : 600V

#### SPECIFICATIONS

Conductor	: Solid, Multistrand, Thermocouple / Extension / Compensating 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 Interference
- ✓ Halogen Free & Low Smoke

#### AVAILABLE OPTIONS

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

### CONSTRUCTION DETAILS AND DIMENSIONS

Cable Oding Code	Wire Type	AWG / SWG No	No of Strands	Strain Dia (mm)	Cross Section Area (mm <sup>2</sup> )	Nominal Bundled Conductor Dia (mm)	Cable Formation	Nominal Cable Diameter mm (Twisted)	Nominal Cable Diameter mm (Flat)	Cable Wgt (Approx.) Kg/Km
T501	Solid	24 AWG	1	0.51	0.20	0.51	Twisted	3.0	-	22.0
T502	Multistrand	7X32 AWG	7	0.20	0.22	0.56	Twisted	3.2	-	23.0
T503	Multistrand	7X30 AWG	7	0.25	0.35	0.75	Twisted	3.7	-	26.8
T504	Solid	22 SWG	1	0.71	0.40	0.71	Twisted	3.7	-	29.2
T505	Multistrand	7X32 SWG	7	0.27	0.42	0.82	Twisted	3.8	-	30.1
T506	Solid	20 AWG	1	0.81	0.50	0.81	Twisted	3.8	-	32.0
T507	Multistrand	7X29 AWG	7	0.30	0.50	0.90	Twisted	3.9	-	32.0
T508	Multistrand	16X32 AWG	16	0.20	0.50	0.90	Twisted	3.9	-	32.0
T509	Multistrand	7X28 AWG	7	0.32	0.56	0.96	Twisted	4.1	-	33.5
T510	Multistrand	7X27 AWG	7	0.37	0.75	1.11	Twisted	4.5	-	37.5
T511	Multistrand	24X32 AWG	24	0.20	0.75	1.11	Twisted	4.5	-	37.5
T512	Solid	18 AWG	1	1.02	0.81	1.02	Twisted	4.2	-	39.5
T513	Multistrand	7X26 AWG	7	0.40	0.88	1.20	Twisted	4.7	-	40.6
T514	Solid	17 AWG	1	1.13	1.00	1.13	Twisted	4.7	-	48.0
T515	Multistrand	14X29 AWG	14	0.30	1.00	1.30	Twisted	4.9	-	48.0
T516	Multistrand	32X32 AWG	32	0.20	1.00	1.30	Twisted	4.9	-	48.0
T517	Multistrand	7 X 27 SWG	7	0.43	1.00	1.30	Twisted	4.9	-	48.0
T518	Multistrand	3X22 SWG	3	0.71	1.20	1.55	Twisted	5.4	-	54.0
T519	Multistrand	40X36 SWG	40	0.19	1.25	1.40	Twisted	5.3	-	56.0
T520	Solid	16 AWG	1	1.29	1.30	1.29	Twisted	4.9	-	64.0
T521	Multistrand	19X29 AWG	19	0.30	1.30	1.50	Twisted	5.4	-	64.0
T522	Multistrand	19 X 28 AWG	19	0.32	1.50	1.60	Twisted	5.5	-	70.0
T523	Multistrand	21X29 AWG	21	0.30	1.50	1.55	Twisted	5.4	-	70.0
T524	Multistrand	7X24 AWG	7	0.53	1.50	1.55	Twisted	5.4	-	70.0
T525	Multistrand	48X36 SWG	48	0.19	1.50	1.55	Twisted	5.4	-	70.0

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
(TXXX)	(X)	(X)	(XX)	(X)	(X)
501 to 525	K T J E N R S C B	T X C	01 02 - - - - 48	A-(ANSI) I-(IEC) J-(JIS)	T-(Twisted)

Table 1