

T-251

THERMOCOUPLE CABLE

PTFE - POLYIMIDE - COPPER SCREENING
- PTFE - ASBESTOS INSULATED - 300°C



JSS 51034, JSS 51038, ANSI MC 96.1

Voltage Grade : 600V

SPECIFICATIONS

Conductor	: Solid, Multistrand, Thermocouple Grade Materials as per ASTM E230 / 77 & IEC5843
Insulation	: PTFE Insulation
Construction	: Twisted
Isolator	: Polyimide Tape
Screening	: Bare Copper / TPC / NPC / SPC
Outer Jacket	: PTFE Insulation.
Overall Braiding	: Asbestos Braiding
Operating Temp.	: 300°C
Limit of Error	: According to ASTM E230 / 77 / IEC 584.
Color Code	: According to ANSI MC 96.1

FEATURES

- ✓ Max. Temp. Up to 300°C
- ✓ Excellent Heat Resistant
- ✓ Excellent Thermal Stability
- ✓ Excellent High Voltage with Standing Capability
- ✓ Excellent Chemical Resistivity
- ✓ Good Abrasion Resistance
- ✓ Excellent Resist to Electro Magnetic Inter Ferece

AVAILABLE OPTIONS

- ✓ Metal Braiding over Jacket.
- ✓ Twisted Pair
- ✓ Special Colour Code
- ✓ Calibration Test Report
- ✓ Available upto 1.1 KV

CONSTRUCTION DETAILS AND DIMENSIONS

Cable Ordering Code	Wire Type	AWG / SWG No	No of Strands	Strain Dia (mm)	Cross Section Area (mm ²)	Nominal Bunched Conductor Dia (mm)	Cable Formation	Nominal Diameter mm (Flat)	Cable Diameter mm (Twisted)	Cable Wgt (Approx.) Kg/Km
T251	Solid	24 AWG	1	0.51	0.20	0.51	Twisted	-	4.6	23.0
T252	Multistrand	7X32 AWG	7	0.20	0.22	0.56	Twisted	-	4.6	24.0
T253	Multistrand	7X30 AWG	7	0.25	0.35	0.75	Twisted	-	5.5	31.0
T254	Solid	22 SWG	1	0.71	0.40	0.71	Twisted	-	5.5	32.0
T255	Multistrand	7X32 SWG	7	0.27	0.42	0.82	Twisted	-	5.7	34.0
T256	Solid	20 AWG	1	0.81	0.50	0.81	Twisted	-	5.7	38.0
T257	Multistrand	7X29 AWG	7	0.30	0.50	0.90	Twisted	-	6.0	38.0
T258	Multistrand	16X32 AWG	16	0.20	0.50	0.90	Twisted	-	6.0	38.0
T259	Multistrand	7X28 AWG	7	0.32	0.56	0.96	Twisted	-	6.0	40.0
T260	Multistrand	7X27 AWG	7	0.37	0.75	1.11	Twisted	-	6.5	55.0
T261	Multistrand	24X32 AWG	24	0.20	0.75	1.11	Twisted	-	6.5	55.0
T262	Solid	18 AWG	1	1.02	0.81	1.02	Twisted	-	6.5	58.0
T263	Multistrand	7X26 AWG	7	0.40	0.88	1.20	Twisted	-	6.8	60.0
T264	Solid	17 AWG	1	1.13	1.00	1.13	Twisted	-	6.6	68.0
T265	Multistrand	14X29 AWG	14	0.30	1.00	1.30	Twisted	-	6.9	68.0
T266	Multistrand	32X32 AWG	32	0.20	1.00	1.30	Twisted	-	6.9	68.0
T267	Multistrand	7 X 27 SWG	7	0.43	1.00	1.30	Twisted	-	6.9	68.0
T268	Multistrand	3X22 SWG	3	0.71	1.20	1.55	Twisted	-	7.1	76.0
T269	Multistrand	40X36 SWG	40	0.19	1.25	1.40	Twisted	-	6.9	78.0
T270	Solid	16 AWG	1	1.29	1.30	1.29	Twisted	-	6.9	81.0
T271	Multistrand	19X29 AWG	19	0.30	1.30	1.50	Twisted	-	7.1	81.0
T272	Multistrand	19 X 28 AWG	19	0.32	1.50	1.60	Twisted	-	7.1	90.0
T273	Multistrand	21X29 AWG	21	0.30	1.50	1.55	Twisted	-	7.1	90.0
T274	Multistrand	7X24 AWG	7	0.53	1.50	1.55	Twisted	-	7.1	90.0
T275	Multistrand	48X36 SWG	48	0.19	1.50	1.55	Twisted	-	7.1	90.0

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)
251 to 275	K T J E N R S B	T X C	01 02 - - - - 24	A-(ANSI) I-(IEC) J-(JIS)	T-(Twisted)

Table 1