

# T-901

## THERMOCOUPLE CABLE

POLYIMIDE - PTFE - FG - POLYIMIDE - PTFE - MICA - DFG - ASBESTOS - SS BRAIDING - 600°C



JSS 51034, IEC 60584.3, JSS 51038

Voltage Grade : 1100V

### SPECIFICATIONS

Conductor	: Solid, Multistrand, Thermocouple Grade Materials as per ASTM E230 / 77 & IEC5843
Insulation	: Polyimide + PTFE + Fiber Glass Insulation.
Construction	: Twisted
Isolator	: Polyimide heat barrier tape
Inner Sheath	: PTFE + Mica tape + Double layer Fiber Glass Braiding
Outer Sheath	: Asbestos Braiding
Overall Braiding	: Stainless Steel Wire Braiding
Operating Temp.	: 600°C
Limit of Error	: According to ASTM E230 / 77 / IEC 584.
Color Code	: According to ANSI MC 96.1

### FEATURES

- ✓ Max. Temp. Up to 600°C
- ✓ Excellent Heat Resistant
- ✓ Good Thermal Stability
- ✓ Excellent Flame Retardant
- ✓ Excellent Mechanical Strength
- ✓ Excellent Abrasion Resistance
- ✓ High Temperature Rated

### AVAILABLE OPTIONS

- ✓ Overall Asbestos Braiding
- ✓ Twisted / Shielded Pair
- ✓ Special Colour Code
- ✓ NABL Calibration Test Report

## 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 Bunched Conductor Dia (mm)	Cable Formation	Nominal Cable Diameter mm (Flat)	Nominal Cable Diameter mm (Twisted)	Cable Wgt (Approx.) Kg/Km
T901	Solid	17 AWG	1	1.13	1.00	1.13	Twisted	-	10.0	120.0
T902	Multistrand	14X29 AWG	14	0.30	1.00	1.30	Twisted	-	10.6	120.0
T903	Multistrand	32X32 AWG	32	0.20	1.00	1.30	Twisted	-	10.6	120.0
T904	Multistrand	7 X 27 SWG	7	0.43	1.00	1.30	Twisted	-	10.6	120.0
T905	Multistrand	3X22 SWG	3	0.71	1.20	1.55	Twisted	-	11.5	145.0
T906	Multistrand	40X36 SWG	40	0.19	1.25	1.40	Twisted	-	11.0	150.0
T907	Solid	16 AWG	1	1.29	1.30	1.29	Twisted	-	10.6	160.0
T908	Multistrand	19X29 AWG	19	0.30	1.30	1.50	Twisted	-	11.5	160.0
T909	Multistrand	19 X 28 AWG	19	0.32	1.50	1.60	Twisted	-	12.5	175.0
T910	Multistrand	21X29 AWG	21	0.30	1.50	1.55	Twisted	-	12.5	175.0
T911	Multistrand	21X29 AWG	7	0.53	1.50	1.55	Twisted	-	12.5	175.0
T912	Multistrand	48X36 SWG	48	0.19	1.50	1.55	Twisted	-	12.5	175.0
T913	Multistrand	35 X 29 AWG	35	0.30	2.50	2.00	Twisted	-	13.0	205.0

**Note :** 1. Above Parameters are considering single pair cable  
 2. 0.5mm (nom) PTFE insulation thickness Upto 1.3 sq. mm, 0.6mm (nom) thickness for 1.5 & 2.5 sq. mm size

### ORDERING CODE

Conductor Size	Type of T/C	Grade of Conductor	No. of Pairs	Color Code	Cable Formation
(TXXX)	(X)	(X)	(XX)	(X)	(X)
901 to 913	K T J E N R S C B	T	01 02 - - - - 24	A-(ANSI) I-(IEC) J-(JIS)	T-(Twisted)

Table 1