

T-301

THERMOCOUPLE CABLE

PTFE -ALMYLER-PTFE INSULATED - 260°C

SPECIFICATIONS

Conductor	: Solid, Multistrand, Thermocouple/Extension/Compensating Grade Materials as per ASTM E230 / 77 & IEC5843
Insulation	: PTFE Insulation
Construction	: Twisted
Screening	: Almyler shield with ATC drain wire
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
- ✓ Halogen Free & Low Smoke

AVAILABLE OPTIONS

- ✓ Fiber braiding
- ✓ Armoured
- ✓ Twisted / Shielded Pair
- ✓ Special Colour Code.
- ✓ NABL Calibration Test Repot
- ✓ Available upto 1.1 KV

JSS 51034, IEC 60584.3, JSS 51038

Voltage Grade : 600V

CONSTRUCTION DETAILS AND DIMENSIONS

Cable Oding 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 Cable Diameter mm (Flat)	Nominal Cable Diameter mm	Cable Wgt (Approx.) Kg/Km
T301	Solid	24 AWG	1	0.51	0.20	0.51	Twisted	-	2.9	20.0
T302	Multistrand	7X32 AWG	7	0.20	0.22	0.56	Twisted	-	2.9	22.0
T303	Multistrand	7X30 AWG	7	0.25	0.35	0.75	Twisted	-	3.6	25.0
T304	Solid	22 SWG	1	0.71	0.40	0.71	Twisted	-	3.6	26.0
T305	Multistrand	7X32 SWG	7	0.27	0.42	0.82	Twisted	-	3.8	29.0
T306	Solid	20 AWG	1	0.81	0.50	0.81	Twisted	-	3.8	29.0
T307	Multistrand	7X29 AWG	7	0.30	0.50	0.90	Twisted	-	3.9	29.0
T308	Multistrand	16X32 AWG	16	0.20	0.50	0.90	Twisted	-	3.9	29.0
T309	Multistrand	7X28 AWG	7	0.32	0.56	0.96	Twisted	-	4.1	32.0
T310	Multistrand	7X27 AWG	7	0.37	0.75	1.11	Twisted	-	4.4	36.0
T311	Multistrand	24X32 AWG	24	0.20	0.75	1.11	Twisted	-	4.4	36.0
T312	Solid	18 AWG	1	1.02	0.81	1.02	Twisted	-	4.2	38.0
T313	Multistrand	7X26 AWG	7	0.40	0.88	1.20	Twisted	-	4.7	39.0
T314	Solid	17 AWG	1	1.13	1.00	1.13	Twisted	-	4.6	45.0
T315	Multistrand	14X29 AWG	14	0.30	1.00	1.30	Twisted	-	4.9	45.0
T316	Multistrand	32X32 AWG	32	0.20	1.00	1.30	Twisted	-	4.9	45.0
T317	Multistrand	7 X 27 SWG	7	0.43	1.00	1.30	Twisted	-	4.9	45.0
T318	Multistrand	3X22 SWG	3	0.71	1.20	1.55	Twisted	-	5.5	50.0
T319	Multistrand	40X36 SWG	40	0.19	1.25	1.40	Twisted	-	5.2	52.0
T320	Solid	16 AWG	1	1.29	1.30	1.29	Twisted	-	4.9	56.0
T321	Multistrand	19X29 AWG	19	0.30	1.30	1.50	Twisted	-	5.5	56.0
T322	Multistrand	19 X 28 AWG	19	0.32	1.50	1.60	Twisted	-	5.7	59.0
T323	Multistrand	21X29 AWG	21	0.30	1.50	1.55	Twisted	-	5.6	59.0
T324	Multistrand	7X24 AWG	7	0.53	1.50	1.55	Twisted	-	5.6	59.0
T325	Multistrand	48X36 SWG	48	0.19	1.50	1.55	Twisted	-	5.6	59.0

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)
301 to 325	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