

# P-301

## THERMOCOUPLE CABLE

PVC - ALMYLAR - PVC INSULATED - 85°C



IS 1554, ANSI MC 96.1

Voltage Grade : 300/500V

### SPECIFICATIONS

Conductor	: Solid, Multistrand, Thermocouple Grade Materials as per ASTM E230 & ANSI MC 96.1
Insulation	: PVC / FR PVC / FRLS PVC / HR PVC Insulation
Construction	: Twisted
Shielding	: Almylar Shield with ATC Drain Wire
Outer Jacket	: PVC / FR PVC / FRLS PVC / HR PVC Sheathed
Operating Temp. :	85°C
Limit of Error	: According to ASTM E230 / 77 / IEC 584
Color Code	: According to ANSI MC 96.1

### FEATURES

- ✓ Max. Temp. Up to 85°C
- ✓ Excellent Physical Properties
- ✓ Excellent Di-Electric Constant
- ✓ Excellent Flame Retardant Property
- ✓ Good Heat Resistivity
- ✓ High Thermal Endurance
- ✓ Good Moisture, Chemical

### AVAILABLE OPTIONS

- ✓ Armouring
- ✓ Available with Zero Halogen Property
- ✓ Available with Fire Retardant Property
- ✓ Tighter Than Special Limit Accuracy Tolerance
- ✓ Special Colour Code
- ✓ Calibration Test Report
- ✓ Available upto 1.1 KV

### CONSTRUCTION DETAILS AND DIMENSIONS

CABLE SIZE	NO. OF STRANDS	STRAND DIAMETER (mm)	AREA OF CONDUCTOR (mm) <sup>2</sup>	BARE CONDUCTOR DIA.(mm)	FORMATION	CABLE DIMENSION (mm)(max.)	CABLE WT. (APPROX) (gm/meter)
P301	7	0.160	0.14	0.48	Twisted	4.1	30
P302	1	0.510	0.2	0.51	Twisted	4.2	32.1
P303	7	0.200	0.22	0.59	Twisted	5.6	37
P304	7	0.274	0.42	0.81	Twisted	6	47
P305	14	0.200	0.45	0.84	Twisted	6.1	48.6
P306	1	0.810	0.5	0.81	Twisted	6	54
P307	7	0.300	0.5	0.89	Twisted	6.2	54
P308	24	0.200	0.75	1.1	Twisted	6.6	64
P309	14	0.300	1	1.26	Twisted	7.4	72
P310	3	0.711	1.2	1.39	Twisted	7.7	77.8
P311	40	0.200	1.25	1.42	Twisted	8	82.2
P312	1	1.290	1.3	1.29	Twisted	8	86.5
P313	19	0.300	1.3	1.52	Twisted	8.2	86.5
P314	21	0.300	1.5	1.55	Twisted	8.3	92
P315	35	0.300	2.5	2	Twisted	10.6	138

### ORDERING CODE

Conductor Size	Type of T/C	Grade of Conductor	No. of Pairs	Color Code	Cable Formation
(PXXX)	(X)	(X)	(XX)	(X)	(X)
301 to 315	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