

# P-301

## THERMOCOUPLE CABLE

### PVC -ALMYLER SCREENING- PVC - 90°C



BS 5308, IS 694, ANSI MC 96.1

Voltage Grade : 600V

#### SPECIFICATIONS

Conductor	: Solid, Multistrand, Thermocouple Grade Materials as per ASTM E230 & ANSI MC 96.1
Insulation	: PVC / FR PVC / FRLS PVC / HR PVC, LSZH Insulation
Construction	: Twisted
Shielding	: Almylar Shield with ATC Drain Wire
Outer Jacket	: PVC / FR PVC / FRLS PVC / HR PVC, LSZH Sheathed
Operating Temp.	: 90°C
Limit of Error	: According to ASTM E230 / 77 / IEC 584
Color Code	: According to ANSI MC 96.1

#### FEATURES

- ✓ Max. Temp. Up to 90°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 Oding Code	Wire Type	AWG / SWG No	No of Strands	Strain Dia (mm)	Cross Section Area (mm <sup>2</sup> )	Nominal Bundched Conductor Dia (mm)	Cable Formation	Nominal Diameter mm (Twisted)	Cable Diameter mm (Flat)	Cable Wgt (Approx.) Kg/Km
P301	Solid	24 AWG	1	0.51	0.20	0.51	Twisted	5.70	-	38.0
P302	Multistrand	7X32 AWG	7	0.20	0.22	0.56	Twisted	5.80	-	39.0
P303	Multistrand	7X30 AWG	7	0.25	0.35	0.75	Twisted	6.30	-	47.0
P304	Solid	22 SWG	1	0.71	0.40	0.71	Twisted	6.30	-	49.0
P305	Multistrand	7X32 SWG	7	0.27	0.42	0.82	Twisted	6.40	-	50.0
P306	Solid	20 AWG	1	0.81	0.50	0.81	Twisted	6.40	-	55.0
P307	Multistrand	7X29 AWG	7	0.30	0.50	0.90	Twisted	6.60	-	55.0
P308	Multistrand	16X32 AWG	16	0.20	0.50	0.90	Twisted	6.60	-	55.0
P309	Multistrand	7X28 AWG	7	0.32	0.56	0.96	Twisted	6.70	-	58.0
P310	Multistrand	7X27 AWG	7	0.37	0.75	1.11	Twisted	7.20	-	68.0
P311	Multistrand	24X32 AWG	24	0.20	0.75	1.11	Twisted	7.20	-	68.0
P312	Solid	18 AWG	1	1.02	0.81	1.02	Twisted	7.00	-	72.0
P313	Multistrand	7X26 AWG	7	0.40	0.88	1.20	Twisted	7.30	-	76.0
P314	Solid	17 AWG	1	1.13	1.00	1.13	Twisted	7.20	-	82.0
P315	Multistrand	14X29 AWG	14	0.30	1.00	1.30	Twisted	7.50	-	82.0
P316	Multistrand	32X32 AWG	32	0.20	1.00	1.30	Twisted	7.50	-	82.0
P317	Multistrand	7 X 27 SWG	7	0.43	1.00	1.30	Twisted	7.50	-	82.0
P318	Multistrand	3X22 SWG	3	0.71	1.20	1.55	Twisted	8.30	-	92.0
P319	Multistrand	40X36 SWG	40	0.19	1.25	1.40	Twisted	8.00	-	96.0
P320	Solid	16 AWG	1	1.29	1.30	1.29	Twisted	7.50	-	105.0
P321	Multistrand	19X29 AWG	19	0.30	1.30	1.50	Twisted	8.30	-	105.0
P322	Multistrand	19 X 28 AWG	19	0.32	1.50	1.60	Twisted	8.50	-	112.0
P323	Multistrand	21X29 AWG	21	0.30	1.50	1.55	Twisted	8.30	-	112.0
P324	Multistrand	21X29 AWG	7	0.53	1.50	1.55	Twisted	8.30	-	112.0
P325	Multistrand	48X36 SWG	48	0.19	1.50	1.55	Twisted	8.30	-	112.0

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
(PXXX)	(X)	(X)	(XX)	(X)	(X)
301 to 325	K T J E N R S B	T X C	01 02 - - - - 24	A-(ANSI) I-(IEC) J-(JIS)	T-(Twisted)

Table 1