

P-101

THERMOCOUPLE CABLE

PVC - POLYSTER TAPE-COPPER
BRAIDING- 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
Isolator	: Polyester Tape
Screening	: Copper Wire Braiding
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 Abrasion Resistance

AVAILABLE OPTIONS

- ✓ Metal Coverings
- ✓ Almyler Tape Shielding
- ✓ Armouring
- ✓ 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 ²)	Nominal Bunched Conductor Dia (mm)	Cable Formation	Nominal Diameter mm (Twisted)	Cable Diameter mm (Flat)	Cable Wgt (Approx.) Kg/Km
P101	Solid	24 AWG	1	0.51	0.20	0.51	Twisted	5.80	-	40.0
P102	Multistrand	7X32 AWG	7	0.20	0.22	0.56	Twisted	5.90	-	42.0
P103	Multistrand	7X30 AWG	7	0.25	0.35	0.75	Twisted	6.10	-	46.0
P104	Solid	22 SWG	1	0.71	0.40	0.71	Twisted	6.10	-	52.0
P105	Multistrand	7X32 SWG	7	0.27	0.42	0.82	Twisted	6.30	-	53.0
P106	Solid	20 AWG	1	0.81	0.50	0.81	Twisted	6.30	-	56.0
P107	Multistrand	7X29 AWG	7	0.30	0.50	0.90	Twisted	6.40	-	56.0
P108	Multistrand	16X32 AWG	16	0.20	0.50	0.90	Twisted	6.40	-	56.0
P109	Multistrand	7X28 AWG	7	0.32	0.56	0.96	Twisted	6.50	-	60.0
P110	Multistrand	7X27 AWG	7	0.37	0.75	1.11	Twisted	6.80	-	70.0
P111	Multistrand	24X32 AWG	24	0.20	0.75	1.11	Twisted	6.80	-	70.0
P112	Solid	18 AWG	1	1.02	0.81	1.02	Twisted	6.70	-	72.0
P113	Multistrand	7X26 AWG	7	0.40	0.88	1.20	Twisted	6.90	-	77.0
P114	Solid	17 AWG	1	1.13	1.00	1.13	Twisted	6.80	-	86.0
P115	Multistrand	14X29 AWG	14	0.30	1.00	1.30	Twisted	7.20	-	86.0
P116	Multistrand	32X32 AWG	32	0.20	1.00	1.30	Twisted	7.20	-	86.0
P117	Multistrand	7 X 27 SWG	7	0.43	1.00	1.30	Twisted	7.20	-	86.0
P118	Multistrand	3X22 SWG	3	0.71	1.20	1.55	Twisted	8.00	-	96.0
P119	Multistrand	40X36 SWG	40	0.19	1.25	1.40	Twisted	7.60	-	102.0
P120	Solid	16 AWG	1	1.29	1.30	1.29	Twisted	7.20	-	108.0
P121	Multistrand	19X29 AWG	19	0.30	1.30	1.50	Twisted	8.00	-	108.0
P122	Multistrand	19 X 28 AWG	19	0.32	1.50	1.60	Twisted	8.10	-	115.0
P123	Multistrand	21X29 AWG	21	0.30	1.50	1.55	Twisted	8.00	-	115.0
P124	Multistrand	21X29 AWG	7	0.53	1.50	1.55	Twisted	8.00	-	115.0
P125	Multistrand	48X36 SWG	48	0.19	1.50	1.55	Twisted	8.00	-	115.0

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)
101 to 125	K T J E N R S B	T X C	01 02 - - - - 24	A-(ANSI) I-(IEC) J-(JIS)	T-(Twisted)

Table 1