

P-401

THERMOCOUPLE CABLE

**PVC - ALMYLAR - PVC - G.I. ARMOURING
- PVC INSULATED - 90°C**



BS 5308, IS 1554, 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
Inner Sheath	: PVC / FR PVC / FRLS PVC / HR PVC, LSZH Sheathed
Armouring	: Galvanized Iron Wire, Round / Flat Strip
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
- ✓ Available with Zero Halogen Property
- ✓ Available with Fire Retardant Property
- ✓ Tighter Than Special Limit Accuracy Tolerance
- ✓ Special Colour Code
- ✓ Calibration Test Report

CONSTRUCTION DETAILS AND DIMENSIONS

Cable Oding Code	Wire Type	AWG / SWG No	No of Strands	Strand 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
P401	Solid	20 AWG	1	0.81	0.50	0.81	Twisted	10.80	-	208.0
P402	Multistrand	7X29 AWG	7	0.30	0.50	0.90	Twisted	11.00	-	208.0
P403	Multistrand	16X32 AWG	16	0.20	0.50	0.90	Twisted	11.00	-	208.0
P404	Multistrand	7X28 AWG	7	0.32	0.56	0.96	Twisted	11.10	-	215.0
P405	Multistrand	7X27 AWG	7	0.37	0.75	1.11	Twisted	11.40	-	230.0
P406	Multistrand	24X32 AWG	24	0.20	0.75	1.11	Twisted	11.40	-	230.0
P407	Solid	18 AWG	1	1.02	0.81	1.02	Twisted	11.10	-	236.0
P408	Multistrand	7X26 AWG	7	0.40	0.88	1.20	Twisted	11.50	-	236.0
P409	Solid	17 AWG	1	1.13	1.00	1.13	Twisted	11.40	-	250.0
P410	Multistrand	14X29 AWG	14	0.30	1.00	1.30	Twisted	11.80	-	250.0
P411	Multistrand	32X32 AWG	32	0.20	1.00	1.30	Twisted	11.80	-	250.0
P412	Multistrand	7 X 27 SWG	7	0.43	1.00	1.30	Twisted	11.80	-	250.0
P413	Multistrand	3X22 SWG	3	0.71	1.20	1.55	Twisted	12.20	-	255.0
P414	Multistrand	40X36 SWG	40	0.19	1.25	1.40	Twisted	12.00	-	260.0
P415	Solid	16 AWG	1	1.29	1.30	1.29	Twisted	11.80	-	270.0
P416	Multistrand	19X29 AWG	19	0.30	1.30	1.50	Twisted	12.20	-	270.0
P417	Multistrand	19 X 28 AWG	19	0.32	1.50	1.60	Twisted	12.30	-	280.0
P418	Multistrand	21X29 AWG	21	0.30	1.50	1.55	Twisted	12.20	-	280.0
P419	Multistrand	21X29 AWG	7	0.53	1.50	1.55	Twisted	12.20	-	280.0
P420	Multistrand	48X36 SWG	48	0.19	1.50	1.55	Twisted	12.20	-	280.0

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)
401 to 420	K T J E N R S B	T X C	01 02 - - - - 24	A-(ANSI) I-(IEC) J-(JIS)	T-(Twisted)

Table 1