

P-401

THERMOCOUPLE CABLE

PVC - ALMYLAR - PVC - G.I. ARMOURING
- 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
Inner Sheath	: PVC / FR PVC / FRLS PVC / HR PVC Sheathed
Armouring	: Galvanized Iron Wire, Round / Flat Strip
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 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 SIZE	NO. OF STRANDS	STRAND DIAMETER (mm)	AREA OF CONDUCTOR (mm) ²	BARE CONDUCTOR DIA.(mm)	FORMATION	CABLE DIMENSION (mm)(max.)	CABLE WT. (APPROX) (gm/meter)
P401	7	0.160	0.14	0.48	Twisted	8.46	200
P402	1	0.510	0.2	0.51	Twisted	9.0	215
P403	7	0.200	0.22	0.59	Twisted	9.2	230
P404	7	0.274	0.42	0.81	Twisted	9.6	240
P405	14	0.200	0.45	0.84	Twisted	9.8	250
P406	1	0.810	0.5	0.81	Twisted	10.0	262
P407	7	0.300	0.5	0.89	Twisted	10.0	262
P408	24	0.200	0.75	1.1	Twisted	10.5	278
P409	14	0.300	1	1.26	Twisted	11.0	310
P410	3	0.711	1.2	1.39	Twisted	11.5	318
P411	40	0.200	1.25	1.42	Twisted	11.7	332
P412	1	1.290	1.3	1.29	Twisted	11.8	335
P413	19	0.300	1.3	1.52	Twisted	11.8	335
P414	21	0.300	1.5	1.55	Twisted	12.0	348
P415	35	0.300	2.5	2	Twisted	12.5	428

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 415	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