

P-501

THERMOCOUPLE CABLE

PVC - PVC - SS BRAIDING INSULATED - 90°C



IEC 60584.3, 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 / Flat
Outer Sheath	: PVC / FR PVC / FRLS PVC / HR PVC, LSZH Sheathed
Overall Braiding	: Stainless Steel Wire
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 & Taped Shielding
- ✓ G.I. 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 ²)	Nominal Bunched Conductor Dia (mm)	Cable Formation	Nominal Diameter mm (Twisted)	Cable Diameter mm (Flat)	Cable Wgt (Approx.) Kg/Km
P501	Solid	24 AWG	1	0.51	0.20	0.51	Twisted/Flat	5.70	5.7x3.9	44.0
P502	Multistrand	7X32 AWG	7	0.20	0.22	0.56	Twisted/Flat	5.80	5.8x4.0	48.0
P503	Multistrand	7X30 AWG	7	0.25	0.35	0.75	Twisted/Flat	6.10	6.1x4.1	55.0
P504	Solid	22 SWG	1	0.71	0.40	0.71	Twisted/Flat	6.10	6.1x4.1	57.0
P505	Multistrand	7X32 SWG	7	0.27	0.42	0.82	Twisted/Flat	6.30	6.3x4.2	60.0
P506	Solid	20 AWG	1	0.81	0.50	0.81	Twisted/Flat	6.30	6.3x4.2	64.0
P507	Multistrand	7X29 AWG	7	0.30	0.50	0.90	Twisted/Flat	6.40	6.4x4.3	64.0
P508	Multistrand	16X32 AWG	16	0.20	0.50	0.90	Twisted/Flat	6.40	6.4x4.3	64.0
P509	Multistrand	7X28 AWG	7	0.32	0.56	0.96	Twisted/Flat	6.60	6.6x4.3	68.0
P510	Multistrand	7X27 AWG	7	0.37	0.75	1.11	Twisted/Flat	6.80	6.8x4.5	73.0
P511	Multistrand	24X32 AWG	24	0.20	0.75	1.11	Twisted/Flat	6.80	6.8x4.5	73.0
P512	Solid	18 AWG	1	1.02	0.81	1.02	Twisted/Flat	6.60	6.6x4.3	80.0
P513	Multistrand	7X26 AWG	7	0.40	0.88	1.20	Twisted/Flat	6.90	6.9x4.6	82.0
P514	Solid	17 AWG	1	1.13	1.00	1.13	Twisted/Flat	6.90	6.9x4.6	87.0
P515	Multistrand	14X29 AWG	14	0.30	1.00	1.30	Twisted/Flat	7.40	7.4x4.9	87.0
P516	Multistrand	32X32 AWG	32	0.20	1.00	1.30	Twisted/Flat	7.40	7.4x4.9	87.0
P517	Multistrand	7 X 27 SWG	7	0.43	1.00	1.30	Twisted/Flat	7.40	7.4x4.9	87.0
P518	Multistrand	3X22 SWG	3	0.71	1.20	1.55	Twisted/Flat	8.00	8.0x5.2	102.0
P519	Multistrand	40X36 SWG	40	0.19	1.25	1.40	Twisted/Flat	7.60	7.6x5.0	105.0
P520	Solid	16 AWG	1	1.29	1.30	1.29	Twisted/Flat	7.40	7.4x4.9	110.0
P521	Multistrand	19X29 AWG	19	0.30	1.30	1.50	Twisted/Flat	8.00	8.0x5.2	110.0
P522	Multistrand	19 X 28 AWG	19	0.32	1.50	1.60	Twisted/Flat	8.10	8.1x5.3	122.0
P523	Multistrand	21X29 AWG	21	0.30	1.50	1.55	Twisted/Flat	8.10	8.1x5.3	122.0
P524	Multistrand	21X29 AWG	7	0.53	1.50	1.55	Twisted/Flat	8.10	8.1x5.3	122.0
P525	Multistrand	48X36 SWG	48	0.19	1.50	1.55	Twisted/Flat	8.10	8.1x5.3	122.0

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)
501 to 525	K T J E N R S B	T X C	01 02 - - - - 24	A-(ANSI) I-(IEC) J-(JIS)	T-(Twisted) F-(Flat)

Table 1