

# IP-101

## INSTRUMENTATION CABLE

PVC - PVC INSULATED - 85°C



IS 694, BS 5308, IS 8130

Voltage Grade : 600/1100V

### SPECIFICATIONS

Conductor	: Solid, Multistrand, Electrolytic Grade Conductor Bare Copper, TPC As per IS 8130:84
Insulation	: PVC / FR PVC / FRLS PVC / HR PVC
Construction	: Twisted / Flat
Outer Jacket	: PVC / FR PVC / FRLS PVC / HR PVC
Operating Temp. :	85°C

### 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

### AVAILABLE OPTIONS

- ✓ Metal Coverings
- ✓ Metal & Taped Shielding
- ✓ Armouring
- ✓ Special Colour Code

### CONSTRUCTION DETAILS AND DIMENSIONS

CABLE SIZE	NO. OF STRANDS	STRAND DIAMETER (mm)	AREA OF CONDUCTOR (mm) <sup>2</sup>	BARE CONDUCTOR DIA.(mm)	FORMATION	CABLE DIMENSION (mm)(max.)	CABLE WT. (APPROX.) (gm/meter)
IP101	7	0.160	0.14	0.48	T/F	3.7	22.52
IP102	1	0.510	0.2	0.51	T/F	3.8	25.6
IP103	7	0.200	0.22	0.59	T/F	5.2	26.8
IP104	7	0.274	0.42	0.81	T/F	5.6	34.56
IP105	14	0.200	0.45	0.84	T/F	5.7	37.6
IP106	1	0.810	0.5	0.81	T/F	5.6	41
IP107	7	0.300	0.5	0.89	T/F	5.8	41
IP108	24	0.200	0.75	1.1	T/F	6.2	49.5
IP109	14	0.300	1	1.26	T/F	6.9	58
IP110	3	0.711	1.2	1.39	T/F	7.3	63.5
IP111	40	0.200	1.25	1.42	T/F	7.6	66
IP112	1	1.290	1.3	1.29	T/F	7.4	69.5
IP113	19	0.300	1.3	1.52	T/F	7.8	69.5
IP114	21	0.300	1.5	1.55	T/F	7.9	76
IP115	35	0.300	2.5	2	T/F	10	110

### ORDERING CODE

Conductor Size	Type of Conductor	No. of Core	Color Code	Cable Formation
(IPXXX)	(XXX)	(XX)	(XXX)	(X)
101 to 115	BC0 NPC TPC SPC	01 02 - - 48	BW0 CS0	T-(Twisted) F-(Flat)

**Note :** BC0 (Bare Copper), NPC (Nickel Plated Copper), TPC (Tin Plated Copper), SPC (Silver Plated Copper)  
BW0 (Blue - White), CS0 (Customer specification)