

# LP-101

## LEAD WIRES (PVC INSULATED)

**Single Core Non Sheathed PVC Wire with Rigid Conductor Class 1/Class 2 - 85°C**



IS 694, IS 5831, IS 8130

Voltage Grade : 1100V

### SPECIFICATIONS

Conductor	: Solid & Stranded, Bare Copper & Tinned Plated Copper
Type	: Solid (Class1)/Stranded (Class 2) as per IS 8130
Core Insulation	: PVC, HR PVC, FR PVC, FRLS PVC, LSZH
Operating Temp.	: 85°C Max.

### FEATURES

- ✓ Max. Temp. Up to 85°C
- ✓ Outstanding Insulating Properties
- ✓ Suitable for fixed application
- ✓ Moisture, Oil & Water Resistance
- ✓ Good Thermal Stability
- ✓ Flame Retardant
- ✓ With ISI Marking

### AVAILABLE OPTIONS

- ✓ Color Code as per Customer Requirement
- ✓ Covering of Metal Braiding
- ✓ UV Resistance Outer Sheath
- ✓ Anti Termite & Anti Rodent sheath

## CONSTRUCTION DETAILS AND DIMENSIONS

Cable Oding Code	Cross Section Area (mm <sup>2</sup> )	Wire Type	Insulation thickness (Nom)	Max Cable Diameter mm	Max Conductor resistance @ 20°C		Cable Wgt (Approx.) Kg/Km
					Copper Wire Ohm/Km	Tinned Cu Ohm/Km	
LP101	0.5	Solid (Class 1)	0.6	2.3	36	36.7	9.0
LP102	0.75	Solid (Class 1)	0.6	2.5	24.5	24.8	12.5
LP103	1.0	Solid (Class 1)	0.6	2.7	18.1	18.2	15
LP104	1.5	Solid (Class 1)	0.7	3.2	12.1	18.1	19.5
LP105	1.5	Stranded (Class 2)	0.7	3.3	12.1	18.1	19.5
LP106	2.50	Solid (Class 1)	0.8	3.9	7.41	12.1	34.0
LP107	2.50	Stranded (Class 2)	0.8	4	7.41	12.1	34.0
LP108	4.0	Solid (Class 1)	0.8	4.4	4.61	7.41	52.0
LP109	4.0	Stranded (Class 2)	0.8	4.6	4.61	7.41	52.0
LP110	6.0	Solid (Class 1)	0.8	5	3.08	4.61	72.0
LP111	6.0	Stranded (Class 2)	0.8	5.2	3.08	4.61	72.0
LP112	10	Solid (Class 1)	1.0	6.4	1.83	3.08	114.0
LP113	10	Stranded (Class 2)	1.0	6.7	1.83	3.08	114.0
LP114	16	Stranded (Class 2)	1.0	7.8	1.15	1.91	168.0
LP115	25	Stranded (Class 2)	1.2	9.7	0.727	1.2	258.0
LP116	35	Stranded (Class 2)	1.2	10.99	0.524	0.868	368.0
LP117	50	Stranded (Class 2)	1.4	12.8	0.387	0.641	490.0
LP118	70	Stranded (Class 2)	1.4	14.6	0.268	0.443	680.0
LP119	95	Stranded (Class 2)	1.6	17.1	0.193	0.32	910.0
LP120	120	Stranded (Class 2)	1.6	18.8	0.153	0.253	1140.0
LP121	150	Stranded (Class 2)	1.8	20.99	0.124	0.206	1408.0
LP122	185	Stranded (Class 2)	2.0	23.3	0.099	0.164	1740.0
LP123	240	Stranded (Class 2)	2.2	26.6	0.075	0.125	2270.0

### ORDERING CODE

**Conductor Size**

(LPXXX)

101  
to  
123

**Type of Conductor**

(XXX)

BC0  
TPC

**No. of Core**

(XX)

01

**Color Code**

(XXX)

RE  
YE  
BR  
BL  
BK  
GR  
PU  
OR  
WH  
GN

**Note :** BC0 (Bare Copper), TPC (Tin Plated Copper)

RE - (Red), YE - (Yellow), BR - (Brown), BL - (Blue), BK - (Black), GR - (Grey), PU - (Purple), OR - (Orange), WH - (White), GN - (Green)