

PP-101

POWER CABLE

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 Ordering Code	Cross Section Area (mm ²)	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	
PP101	0.5	Solid (Class 1)	0.6	2.3	36	36.7	9.0
PP102	0.75	Solid (Class 1)	0.6	2.5	24.5	24.8	12.5
PP103	1.0	Solid (Class 1)	0.6	2.7	18.1	18.2	15
PP104	1.5	Solid (Class 1)	0.7	3.2	12.1	18.1	19.5
PP105	1.5	Stranded (Class 2)	0.7	3.3	12.1	18.1	19.5
PP106	2.50	Solid (Class 1)	0.8	3.9	7.41	12.1	34.0
PP107	2.50	Stranded (Class 2)	0.8	4	7.41	12.1	34.0
PP108	4.0	Solid (Class 1)	0.8	4.4	4.61	7.41	52.0
PP109	4.0	Stranded (Class 2)	0.8	4.6	4.61	7.41	52.0
PP110	6.0	Solid (Class 1)	0.8	5	3.08	4.61	72.0
PP111	6.0	Stranded (Class 2)	0.8	5.2	3.08	4.61	72.0
PP112	10	Solid (Class 1)	1.0	6.4	1.83	3.08	114.0
PP113	10	Stranded (Class 2)	1.0	6.7	1.83	3.08	114.0
PP114	16	Stranded (Class 2)	1.0	7.8	1.15	1.91	168.0
PP115	25	Stranded (Class 2)	1.2	9.7	0.727	1.2	258.0
PP116	35	Stranded (Class 2)	1.2	10.99	0.524	0.868	368.0
PP117	50	Stranded (Class 2)	1.4	12.8	0.387	0.641	490.0
PP118	70	Stranded (Class 2)	1.4	14.6	0.268	0.443	680.0
PP119	95	Stranded (Class 2)	1.6	17.1	0.193	0.32	910.0
PP120	120	Stranded (Class 2)	1.6	18.8	0.153	0.253	1140.0
PP121	150	Stranded (Class 2)	1.8	20.99	0.124	0.206	1408.0
PP122	185	Stranded (Class 2)	2.0	23.3	0.099	0.164	1740.0
PP123	240	Stranded (Class 2)	2.2	26.6	0.075	0.125	2270.0

ORDERING CODE

Conductor Size

(PPXXX)

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)