

# PP-401

## POWER CABLE (2 Core Armoured)

**PVC Insulated - Inner PVC - G.I. Round/Flat strip- Outer PVC Sheathed - 90°C**



IS 1554, IS 5831, IS 8130

Voltage Grade : 1100V

### SPECIFICATIONS

Conductor	: Solid, Multistrand, Bare Copper, Tinned Plated Copper
Core Insulation	: PVC(Type A), HR PVC(Type C), PVC (Type D)
No. of Core	: 2
Construction	: Twisted
Inner Sheath	: PVC, HR PVC, FR PVC, FRLS PVC, LSZH
Armouring	: Galvanised round wire / flat strip as per IS 3975
Outer Jacket	: PVC, HR PVC, FR PVC, FRLS PVC, LSZH
Operating Temp.:	: 90°C

### FEATURES

- ✓ Max. Temp. Up to 90°C
- ✓ Outstanding Insulating Properties
- ✓ High Mechanical Strength
- ✓ 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
- ✓ Design as per IEC 60502-1

### CONSTRUCTION DETAILS AND DIMENSIONS

Cable Ordering Code	Cross Section Area (mm <sup>2</sup> )	Wire Type	Insulation thickness (Nom)	Inner Sheath thickness (Min)	G.I. Armoured wire/flat strip size (mm)		Sheath thickness (Min)	Nom Cable Diameter mm	Max Conductor resistance @ 20 Deg C (Cu)	Cable Wgt (Approx.) Kg/Km
					Round	Flat Strip				
PP401	1.5	Solid /Stranded	0.8	0.3	1.4	-	1.24	12	12.1	390
PP402	2.5	Solid /Stranded	0.9	0.3	1.4	-	1.24	13.2	7.41	460
PP403	4.0	Solid /Stranded	1.0	0.3	1.4	-	1.24	14.5	4.61	585
PP404	6.0	Solid /Stranded	1.0	0.3	1.4	-	1.24	15.6	3.08	655
PP405	10	Stranded (Class2)	1.0	0.3	1.4	-	1.24	17.1	1.83	824
PP406	16	Stranded (Class2)	1.0	0.3	1.4	-	1.24	16.5	1.15	918
PP407	25	Stranded (Class2)	1.2	0.3	-	4.0 X 0.8	1.4	17.8	0.727	1070
PP408	35	Stranded (Class2)	1.2	0.3	-	4.0 X 0.8	1.4	19.3	0.524	1333
PP409	50	Stranded (Class2)	1.4	0.3	-	4.0 X 0.8	1.4	22	0.387	1660
PP410	70	Stranded (Class2)	1.4	0.3	-	4.0 X 0.8	1.4	24	0.268	2121
PP411	95	Stranded (Class2)	1.6	0.4	-	4.0 X 0.8	1.4	27	0.193	2770

### ORDERING CODE

Conductor Size	Type of Conductor	No. of Core	Color Code	Cable Formation
(PPXXX)	(XXX)	(XX)	(XXX)	(X)
401 to 411	BC0 TPC	02	RB0 CS0	T-(Twisted)

**Note :** BC0 (Bare Copper), TPC (Tin Plated Copper)  
RB0(REG & BLACK), CS0 (Customer specification)