

# PP-301

## POWER CABLE

PVC Insulated - PVC Sheathed - 90°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)/Flexible (Class 5) as per IS 8130
Core Insulation	: PVC(Type A), HR PVC(Type C), PVC (Type D)
Construction	: Twisted
Outer Jacket	: PVC, HR PVC, FR PVC, FRLS PVC, LSZH
Operating Temp. :	90°C

### FEATURES

- ✓ Max. Temp. Up to 90°C
- ✓ Outstanding Insulating Properties
- ✓ Good Flexibility
- ✓ Moisture, Oil & Water Resistance
- ✓ Good Thermal Stability
- ✓ Flame Retardant
- ✓ With ISI Marking

### AVAILABLE OPTIONS

- ✓ Color Code as per Customer Requirement
- ✓ Almylar Tape Screening
- ✓ Covering of Metal Braiding
- ✓ Armouring
- ✓ UV Resistance Sheath

### CONSTRUCTION DETAILS AND DIMENSIONS

Cable Odering Code	Cross Section Area (mm <sup>2</sup> )	Wire Type	Insulation thickness (Nom)	Sheath thickness (Nom)				Max Cable Diameter mm			
				Single core	Two core	Three Core	Four core	Single core	Two core	Three Core	Four core
PP301	0.5	Flexible (Class 5)	0.6	0.9	0.9	0.9	0.9	4.3	6.9	7.3	8
PP302	0.75	Flexible (Class 5)	0.6	0.9	0.9	0.9	0.9	4.5	7.3	7.7	8.4
PP303	1.0	Flexible (Class 5)	0.6	0.9	0.9	0.9	0.9	4.7	7.6	8	8.8
PP304	1.5	Flexible (Class 5)	0.6	0.9	0.9	0.9	1.0	5.4	8.9	9.4	10.4
PP305	2.5	Flexible (Class 5)	0.7	1.0	1.0	0.99	1.0	6.2	10.3	11	12
PP306	4.0	Flexible (Class 5)	0.8	1.0	1.0	1.0	1.0	6.8	11.6	12.4	13.6
PP307	6.0	Flexible (Class 5)	0.8	1.1	1.1	1.2	1.2	7.5	13	13.8	15
PP308	10	Flexible (Class 5)	1.0	1.3	1.3	1.4	1.4	9.4	16.5	18	19.5
PP309	16	Flexible (Class 5)	1.0	1.4	1.4	1.4	1.4	11	19.4	21	23
PP310	25	Flexible (Class 5)	1.2	1.4	1.4	1.5	1.6	13.6	23.8	26	28.5
PP311	35	Flexible (Class 5)	1.2	1.6	1.6	1.6	1.7	15.5	27.2	29	32.7
PP312	50	Flexible (Class 5)	1.4	2.0	2.0	2.0	2.0	18	32	35	38.6
PP313	70	Flexible (Class 5)	1.4	2.2	2.2	2.2	2.2	21	36.8	40	44
PP314	95	Flexible (Class 5)	1.6	2.4	2.4	2.4	2.4	24	41.8	47	50
PP315	120	Flexible (Class 5)	1.6	2.5	2.5	2.5	2.5	26	46.2	51	56
PP316	150	Flexible (Class 5)	1.8	-	-	2.6	2.6	-	-	55	62
PP317	185	Flexible (Class 5)	2.0	-	-	2.8	2.8	-	-	61	69
PP318	240	Flexible (Class 5)	2.2	-	-	3.0	3.0	-	-	70	78
PP319	300	Flexible (Class 5)	2.4	-	-	3.2	3.2	-	-	76	85

### ORDERING CODE

Conductor Size	Type of Conductor	No. of Core	Color Code	Cable Formation
(PPXXX)	(XXX)	(XX)	(XXX)	(X)
301 to 319	BC0 TPC	01 02 03 04	RB0 RYB CS0	T-(Twisted)

**Note :** BC0 (Bare Copper), TPC (Tin Plated Copper)  
RB0(RED & BLACK) RYB (RED, YELLOW & BLUE), CS0 (Customer specification)