

PP-501

POWER CABLE (3 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	: 3
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 Odering Code	Cross Section Area (mm ²)	Wire Type	Insulation thickness (Nom)	Inner Sheath th	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				
PP501	1.5	Solid /Stranded	0.8	0.3	1.4	-	1.24	12.7	12.1	430
PP502	2.5	Solid /Stranded	0.9	0.3	1.4	-	1.24	13.8	7.41	515
PP503	4.0	Solid /Stranded	1.0	0.3	1.4	-	1.24	15.2	4.61	660
PP504	6.0	Solid /Stranded	1.0	0.3	1.4	-	1.24	16.4	3.08	740
PP505	10.0	Stranded (Class2)	1.0	0.3	1.4	-	1.4	18.2	1.83	970
PP506	16.0	Stranded (Class2)	1.0	0.3	-	4.0 X 0.8	1.4	17.8	1.15	1080
PP507	25.0	Stranded (Class2)	1.2	0.3	-	4.0 X 0.8	1.4	20.8	0.727	1390
PP508	35.0	Stranded (Class2)	1.2	0.3	-	4.0 X 0.8	1.4	22.8	0.524	1700.0
PP509	50.0	Stranded (Class2)	1.4	0.3	-	4.0 X 0.8	14	26	0.387	2250.0
PP510	70.0	Stranded (Class2)	1.4	0.3	-	4.0 X 0.8	1.56	29.2	0.268	3000
PP511	95.0	Stranded (Class2)	1.6	0.4	-	4.0 X 0.8	1.56	33.2	0.193	3900.0

ORDERING CODE

Conductor Size	Type of Conductor	No. of Core	Color Code	Cable Formation
(PPXXX)	(XXX)	(XX)	(XXX)	(X)
501 to 511	BC0 TPC	03	RYB CS0	T-(Twisted)

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