

PX-101

POWER CABLE (2 Core Armoured)

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



IS 7098-1, IS 5831, IS 8130

Voltage Grade : 1100V

SPECIFICATIONS

Conductor	: Solid, Multistrand, Bare Copper, Tinned Plated Copper
Core Insulation	: XLPE
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 Oding Code	Cross Section Area (mm ²)	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	Cable Wgt (Approx.) Kg/Km
					Round	Flat Strip				
PX101	1.5	Solid/Stranded	0.7	0.3	1.4	-	1.24	12.5	12.1	335
PX102	2.5	Solid/Stranded	0.7	0.3	1.4	-	1.24	14.1	7.41	380
PX103	4.0	Solid/Stranded	0.7	0.3	1.4	-	1.24	14.5	4.61	409
PX104	6.0	Solid/Stranded	0.7	0.3	1.4	-	1.24	16	3.08	470
PX105	10	Stranded (Class2)	0.7	0.3	1.4	-	1.24	17.5	1.83	556
PX106	16	Stranded (Class2)	0.7	0.3	1.4	-	1.24	20.5	1.15	605
PX107	25	Stranded (Class2)	0.9	0.3	-	4.0 X 0.8	1.4	19.5	0.727	803
PX108	35	Stranded (Class2)	0.9	0.3	-	4.0 X 0.8	1.4	20.5	0.524	900
PX109	50	Stranded (Class2)	1	0.3	-	4.0 X 0.8	1.4	23.5	0.387	1077
PX110	70	Stranded (Class2)	1.1	0.3	-	4.0 X 0.8	1.4	26.5	0.268	1338
PX111	95	Stranded (Class2)	1.1	0.4	-	4.0 X 0.8	1.56	29.5	0.193	1901

ORDERING CODE

Conductor Size	Type of Conductor	No. of Core	Color Code	Cable Formation
(PXXXX)	(XXX)	(XX)	(XXX)	(X)
101 to 111	BC0 TPC	02	RB0 CS0	T-(Twisted)

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