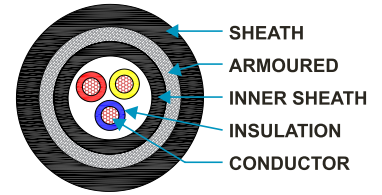




## Power Cables

Copper conductor, PVC Insulated and Sheathed Armoured 1100 V as per IS 1554-1-1988



### Application

This type of cable is used for transmitting and distributing power. It is typically installed as a permanent fixture in commercial and retail locations, both indoors and outdoors, as well as in industrial plants. It can be buried in the ground, run overhead, or exposed to the sun in cable trays.

### Properties

- PVC self-extinguishing and flame retardant
- Low smoke, low halogen

### Construction

- Conductor material : Copper as per IS 8130
- Shape of conductor : For Cu stranded - (Circular compacted)
- Insulation : PVC Type A or PVC Type C as per IS 5831
- Inner sheath : PVC ST1/ST2 (optional)
- Armoured : For single core non magnetic material & for multi core GI wire upto 10mm<sup>2</sup>, Above 16mm<sup>2</sup> GI Strip
- Jacket : PVC ST1/ST2 Conforming to IS 5831-1984 (Optional : FR & FRLS), UV & ATR

### Technical Parameter

- Temp range : + 5°C to + 70°C, Short circuit temp + 160°C
- Nominal voltage : 1100 V
- Test voltage : 3 kV for 5 mins
- Insulation resistance : Min. 10 MOhm x km
- Mini. bending radius : Min. 15 x Cable dia - for single core  
: Min. 12 x Cable dia - for multi core

IS 1554-1 ERTL

### Dimension

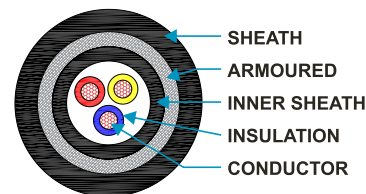
Part Code	No. of Core	Size (Sq.mm.)	Insulation Thickness (mm)	Armour (mm)	Outer Sheath Thickness (mm)	Overall Diameter (mm)	Weight of Cable Approx. (Kg/km)
1102B010040	1	4	1.30	1.40	1.24	10.90	173
1102B010060	1	6	1.30	1.40	1.24	11.40	204
1102B010100	1	10	1.30	1.40	1.24	12.30	259
1102B010160	1	16	1.30	1.40	1.24	13.10	320
1102B010250	1	25	1.50	1.40	1.24	14.70	440
1102B010350	1	35	1.50	1.40	1.24	15.70	548
1102B010500	1	50	1.70	1.40	1.24	17.20	696
1102B010700	1	70	1.70	1.40	1.40	19.20	930
1102B010950	1	95	1.90	1.60	1.40	21.60	1243
1102B011200	1	120	1.90	1.60	1.40	23.70	1515
1102B011500	1	150	2.10	1.60	1.40	24.80	1802
1102B011850	1	185	2.30	1.60	1.40	27.10	2198
1102B012400	1	240	2.50	1.60	1.56	30.20	2822
1102B013000	1	300	2.80	2.00	1.56	33.70	3542
1102B014000	1	400	3.00	2.00	1.56	37.10	4412

Part Code	No. of Core	Size (Sq.mm.)	Insulation Thickness (mm)	Armour (mm)	Outer Sheath Thickness (mm)	Overall Diameter (mm)	Weight of Cable Approx. (Kg/km)
1102B020015	2	1.5	0.80	1.40	1.24	13.50	407
1102B020025	2	2.5	0.90	1.40	1.24	15.00	482
1102B020040	2	4	1.00	1.40	1.24	16.50	596
1102B020060	2	6	1.00	1.40	1.24	17.50	711
1102B020100	2	10	1.00	1.40	1.24	19.00	863
1102B020160	2	16	1.00	4x0.80	1.40	18.80	721
1102B020250	2	25	1.20	4x0.80	1.40	20.80	965
1102B020350	2	35	1.20	4x0.80	1.40	21.80	1176
1102B020500	2	50	1.40	4x0.80	1.40	24.30	1494
1102B020700	2	70	1.40	4x0.80	1.56	26.70	1963
1102B020950	2	95	1.60	4x0.80	1.56	30.20	2577
1102B021200	2	120	1.60	4x0.80	1.56	31.70	3082
1102B021500	2	150	1.80	4x0.80	1.72	35.40	3765
1102B021850	2	185	2.00	4x0.80	1.88	39.40	4626
1102B022400	2	240	2.20	4x0.80	2.04	42.50	5865



# Power Cables

Copper conductor, PVC Insulated and Sheathed Armoured 1100 V as per IS 1554-1-1988



## Dimension

Part Code	No. of Core	Size (Sq.mm.)	Insulation Thickness (mm)	Armour (mm)	Outer Sheath Thickness (mm)	Overall Diameter (mm)	Weight of Cable Approx. (Kg/km)
1102B030015	3	1.5	0.80	1.40	1.24	14.00	442
1102B030025	3	2.5	0.90	1.40	1.24	15.00	542
1102B030040	3	4	1.00	1.40	1.24	16.50	663
1102B030060	3	6	1.00	1.40	1.24	17.50	789
1102B030100	3	10	1.00	1.40	1.40	19.50	1017
1102B030160	3	16	1.00	4x0.80	1.40	18.60	859
1102B030250	3	25	1.20	4x0.80	1.40	21.30	1210
1102B030350	3	35	1.20	4x0.80	1.40	23.10	1532
1102B030500	3	50	1.40	4x0.80	1.56	26.60	2016
1102B030700	3	70	1.40	4x0.80	1.56	29.60	2684
1102B030950	3	95	1.60	4x0.80	1.72	33.50	3564
1102B031200	3	120	1.60	4x0.80	1.72	37.00	4371
1102B031500	3	150	1.80	4x0.80	1.88	40.10	5309
1102B031850	3	185	2.00	4x0.80	2.04	44.20	6502

Part Code	No. of Core	Size (Sq.mm.)	Insulation Thickness (mm)	Armour (mm)	Outer Sheath Thickness (mm)	Overall Diameter (mm)	Weight of Cable Approx. (Kg/km)
1102B040015	4	1.5	0.80	1.40	1.24	14.50	503
1102B040025	4	2.5	0.90	1.40	1.24	16.00	616
1102B040040	4	4	1.00	1.40	1.24	17.50	771
1102B040060	4	6	1.00	1.40	1.24	19.00	947
1102B040100	4	10	1.00	1.40	1.40	21.50	1045
1102B040160	4	16	1.00	4x0.80	1.40	22.20	1113
1102B040250	4	25	1.20	4x0.80	1.40	23.60	1529
1102B040350	4	35	1.20	4x0.80	1.40	25.90	1955
1102B040500	4	50	1.40	4x0.80	1.56	30.30	2593
1102B040700	4	70	1.40	4x0.80	1.56	33.40	3459
1102B040950	4	95	1.60	4x0.80	1.72	38.20	4643
1102B041200	4	120	1.60	4x0.80	1.88	41.70	5702
1102B041500	4	150	1.80	4x0.80	1.88	44.70	6872
1102B041850	4	185	2.00	4x0.80	2.04	50.10	8519

Part Code	No. of Core	Size (Sq.mm.)	Nom. Insulation Thickness (mm)	Min. Inner Sheath Thick. (mm)	Armouring GI Flat Strip	Min. Outer Sheath Thick.(mm)	Overall Diameter (mm)	Weight of Cable Approx. (Kg/km)
1102B050250	3.5	25	1.20/1.0	0.30	4 x 0.8mm	1.4	23	1450
1102B050350	3.5	35	1.20/1.00	0.30	4 x 0.8mm	1.4	25	1800
1102B050500	3.5	50	1.40/1.20	0.30	4 x 0.8mm	1.56	29	2350
1102B050700	3.5	70	1.40/1.20	0.40	4 x 0.8mm	1.56	32	3100
1102B050950	3.5	95	1.60/1.40	0.40	4 x 0.8mm	1.56	36	4050
1102B051200	3.5	120	1.60/1.40	0.50	4 x 0.8mm	1.71	40	5050
1102B051500	3.5	150	1.80/1.40	0.50	4 x 0.8mm	1.88	44	6000
1102B051850	3.5	185	2.00/1.60	0.50	4 x 0.8mm	2.04	48	7400
1102B052400	3.5	240	2.20/1.60	0.60	4 x 0.8mm	2.20	53	9400

1102 - Power Cables