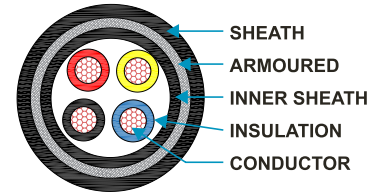




Power Cables

Copper conductor, XLPE Insulated and PVC Sheathed Armoured 1100 V as per IS 7098-1-1988



1104 - Power Cables

Application

These cables are made of stranded compacted circular copper conductor, XLPE insulated core laid up, PVC inner sheathed, and suitable armoring. They are PVC type ST-2 outer sheathed, black in color, and are 1.1KV grade cables conforming to IS 7098-1-1988. These cables are suitable for various AC applications. Moreover, they can also be used for DC applications with a rated voltage up to and including 1500 V to earth.

Construction

- Conductor material : Copper as per IS 8130
- Shape of conductor : For Cu stranded - (Circular compacted)
- Insulation : XLPE as per IS 7098-1
- Inner sheath : PVC ST2
- For single core non magnetic material & for multi core GI wire upto 10mm², Above 16mm² GI Strip
- Jacket : PVC ST2 Conforming to IS 5831-1984 (Optional : FRLS), UV & ATR

Properties

- special XLPE compound
- Lead-Free (RoHS)

Technical Parameter

- Temp range : - 15°C to + 90°C, Short circuit temp + 250°C
- Nominal voltage : 1100 V
- Test voltage : 3 kV for 5 mins
- Mini. bending radius : Min. 15 x Cable dia - for single core
: Min. 12 x Cable dia - for multi core

IS 7098-1

Dimension

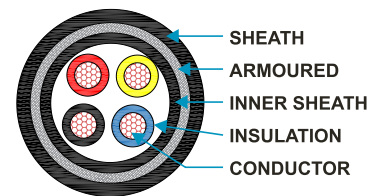
Part Code	Core x Size (Sq.mm.)	Insulation Thickness (mm)	Dimension of Armour (mm)	Outer Sheath Thickness (mm)	Overall Diameter (mm)	Weight of Cable Approx. (Kg/km)
1104B010100	1Cx10	1.00	1.40	1.24	12	219
1104B010160	1Cx 16	1.00	1.40	1.24	13	281
1104B010250	1Cx 25	1.20	1.40	1.24	14	390
1104B010350	1Cx 35	1.20	1.40	1.24	16	485
1104B010500	1Cx 50	1.30	1.40	1.24	17	608
1104B010700	1Cx 70	1.40	1.40	1.24	19	817
1104B010950	1Cx 95	1.40	1.60	1.40	22	1102
1104B011200	1Cx 120	1.50	1.60	1.40	23.5	1339
1104B011500	1Cx150	1.70	1.60	1.40	24.50	1615
1104B011850	1Cx 185	1.90	1.60	1.40	26.50	1976
1104B012400	1Cx 240	2.00	1.60	1.40	29	2508
1104B013000	1Cx 300	2.10	1.60	1.56	31.5	3078
1104B014000	1Cx 400	2.40	2.0	1.56	36.0	3962
1104B015000	1Cx 500	2.60	2.0	1.56	39.5	4969

Part Code	Core x Size (Sq.mm.)	Insulation Thickness (mm)	Dimension of Armour (mm)	Outer Sheath Thickness (mm)	Overall Diameter (mm)	Weight of Cable Approx. (Kg/km)
1104B020250	2Cx 25	0.90	4x0.80mm	1.40	18.5	804
1104B020350	2Cx 35	0.90	4x0.80mm	1.40	20.0	1019
1104B020500	2Cx 50	1.00	4x0.80mm	1.40	22.5	1311
1104B020700	2Cx 70	1.10	4x0.80mm	1.56	25.5	1757
1104B020950	2Cx 95	1.10	4x0.80mm	1.56	28.0	2289
1104B021200	2Cx120	1.20	4x0.80mm	1.56	30.5	2755
1104B021500	2Cx150	1.40	4x0.80mm	1.72	31.8	3353
1104B021850	2Cx 185	1.60	4x0.80mm	1.72	37	4097
1104B022400	2Cx 240	1.70	4x0.80mm	1.88	38.7	5225
1104B023000	2Cx 300	1.80	4x0.80mm	2.04	42.5	6412
1104B024000	2Cx 400	2.00	4x0.80mm	2.36	48.2	8075



Power Cables

Copper conductor, XLPE Insulated and PVC Sheathed Armoured 1100 V as per IS 7098-1-1988



Dimension

Part Code	Core x Size (Sq.mm.)	Insulation Thickness (mm)	Dimension of Armour (mm)	Outer Sheath Thickness (mm)	Overall Diameter (mm)	Weight of Cable Approx. (Kg/km)
1104B030160	3Cx16	0.70	4x0.80	1.24	16.80	772
1104B030250	3Cx 25	0.90	4x0.80	1.40	20.1	1102
1104B030350	3Cx 35	0.90	4x0.80	1.40	22.0	1396
1104B030500	3Cx 50	1.00	4x0.80	1.40	24.8	1767
1104B030700	3Cx 70	1.10	4x0.80	1.56	28.5	2441
1104B030950	3Cx 95	1.10	4x0.80	1.56	31.3	3182
1104B031200	3Cx120	1.20	4x0.80	1.56	34.3	3895
1104B031500	3Cx150	1.40	4x0.80	1.72	38.3	4759
1104B031850	3Cx 185	1.60	4x0.80	1.88	42.3	5852
1104B032400	3Cx 240	1.70	4x0.80	2.04	47.3	7505
1104B033000	3Cx 300	1.80	4x0.80	2.20	51.8	9243

Part Code	Core x Size (Sq.mm.)	Insulation Thickness (mm)	Dimension of Armour (mm)	Outer Sheath Thickness (mm)	Overall Diameter (mm)	Weight of Cable Approx. (Kg/km)
1104B040160	4Cx16	0.70	4x0.80	1.40	20	969
1104B040250	4Cx 25	0.90	4x0.80	1.40	23	1406
1104B040350	4Cx 35	0.90	4x0.80	1.40	25	1786
1104B040500	4Cx 50	1.00	4x0.80	1.56	28	2308
1104B040700	4Cx 70	1.10	4x0.80	1.56	32	3154
1104B040950	4Cx 95	1.10	4x0.80	1.56	35	4161
1104B041200	4Cx120	1.20	4x0.80	1.72	39	5101
1104B041500	4Cx150	1.40	4x0.80	1.88	43.5	6232
1104B041850	4Cx 185	1.60	4x0.80	2.04	48	7676
1104B042400	4Cx 240	1.70	4x0.80	2.20	54	9880

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)
1104B050250	3.5	25	0.90/0.70	0.30	4 x 0.8mm	1.4	22	1350
1104B050350	3.5	35	0.90/0.70	0.30	4 x 0.8mm	1.4	24	1650
1104B050500	3.5	50	1.00/0.90	0.30	4 x 0.8mm	1.4	27	2150
1104B050700	3.5	70	1.10/1.0	0.40	4 x 0.8mm	1.56	31	2850
1104B050950	3.5	95	1.20/1.10	0.40	4 x 0.8mm	1.56	34	3800
1104B051200	3.5	120	1.40/1.10	0.40	4 x 0.8mm	1.72	38	4750
1104B051500	3.5	150	1.60/1.10	0.50	4 x 0.8mm	1.72	41	5600
1104B051850	3.5	185	1.70/1.20	0.50	4 x 0.8mm	1.88	46	7000
1104B052400	3.5	240	1.80/1.40	0.60	4 x 0.8mm	2.04	50	8900



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