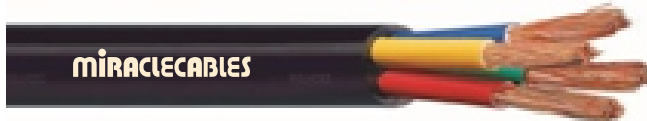
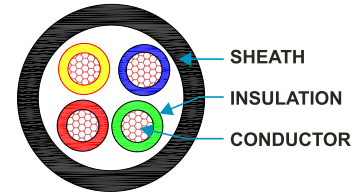




Power Cables

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



1101 - Power Cables

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)
- Jacket : PVC ST1, ST2 Conforming to IS 5831-1984 (Optional : FR & FRLS), UV & ATR

Technical Parameter

- Temp range : Flexing + 5°C to + 70°C, Short circuit temp + 160°C
- Nominal voltage : 1100 V
- Test voltage : 3 kV for 5 mins
- Insulation resistance : Min. 36.7 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 RoHS

Dimension

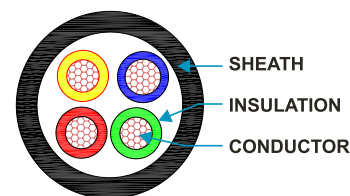
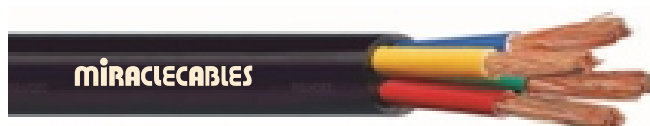
Part Code	No. of Core	Size (Sq.mm.)	Insulation Thickness (mm)	Overall Diameter (mm)	Weight of Cable Approx. (Kg/km)
1101B010040	1	4	1.00	8.60	114
1101B010060	1	6	1.00	9.10	142
1101B010100	1	10	1.00	10.1	190
1101B010160	1	16	1.00	10.8	248
1101B010250	1	25	1.20	12.40	357
1101B010350	1	35	1.20	13.40	458
1101B010500	1	50	1.40	14.90	595
1101B010700	1	70	1.40	16.50	805
1101B010950	1	95	1.60	18.60	1081
1101B011200	1	120	1.60	21.10	1332
1101B011500	1	150	1.80	22.20	1630
1101B011850	1	185	2.00	24.50	2013
1101B012400	1	240	2.20	27.30	2592
1101B013000	1	300	2.40	29.80	3202
1101B014000	1	400	2.60	33.60	4070

Part Code	No. of Core	Size (Sq.mm.)	Insulation Thickness (mm)	Outer Sheath Thick (mm)	Overall Diameter (mm)	Weight of Cable Approx. (Kg/km)
1101B020015	2	1.50	0.80	1.80	10.40	194
1101B020025	2	2.50	0.90	1.80	11.90	248
1101B020040	2	4	1.00	1.80	13.40	316
1101B020060	2	6	1.00	1.80	14.40	397
1101B020100	2	10	1.00	1.80	15.90	515
1101B020160	2	16	1.00	1.80	18.00	531
1101B020250	2	25	1.20	2.00	20.40	676
1101B020350	2	35	1.20	2.00	21.40	966
1101B020500	2	50	1.40	2.00	23.90	1254
1101B020700	2	70	1.40	2.00	26.00	1677
1101B020950	2	95	1.60	2.20	30.00	2274
1101B021200	2	120	1.60	2.20	31.40	2760
1101B021850	2	150	1.80	2.40	35.20	3409
1101B021850	2	185	2.00	2.40	38.50	4201
1101B022400	2	240	2.20	2.60	42.00	5409



Power Cables

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



Part Code	No. of Core	Size (Sq.mm.)	Insulation Thick (mm)	Outer Sheath Thick (mm)	Overall Diameter (mm)	Weight of Cable Approx. (Kg/km)
1101B030015	3	1.50	0.80	1.80	11	218
1101B030025	3	2.50	0.90	1.80	12	284
1101B030040	3	4	1.00	1.80	13.50	372
1101B030060	3	6	1.00	1.80	14.40	470
1101B030100	3	10	1.00	1.80	15.60	629
1101B030160	3	16	1.00	1.80	18.40	705
1101B030250	3	25	1.20	2.00	21.50	1046
1101B030350	3	35	1.20	2.00	23.30	1350
1101B030500	3	50	1.40	2.00	26.50	1783
1101B030700	3	70	1.40	2.20	29.90	2446
1101B030950	3	95	1.60	2.20	33.80	3286
1101B031200	3	120	1.60	2.20	37	4034
1101B031500	3	150	1.80	2.40	40.10	4954
1101B031850	3	185	2.00	2.60	44.60	6145

Part Code	No. of Core	Size (Sq.mm.)	Insulation Thick (mm)	Outer Sheath Thick (mm)	Overall Diameter (mm)	Weight of Cable Approx. (Kg/km)
1101B040150	4	1.50	0.80	1.80	11.70	256
1101B040250	4	2.50	0.90	1.80	13.20	335
1101B040400	4	4	1.00	1.80	15.00	446
1101B040600	4	6	1.00	1.80	16.00	576
1101B041000	4	10	1.00	1.80	19.00	773
1101B041600	4	16	1.00	2.00	22.40	940
1101B042500	4	25	1.20	2.00	23.80	1342
1101B043500	4	35	1.20	2.00	26.10	1744
1101B045000	4	50	1.40	2.20	30.60	2347
1101B047000	4	70	1.40	2.20	33.70	3165
1101B049500	4	95	1.60	2.40	38.60	4330
1101B041200	4	120	1.60	2.40	41.70	5335
1101B041500	4	150	1.80	2.60	45.10	6511
1101B041850	4	185	2.00	2.80	50.80	8152

Part Code	No. of Core	Size (Sq.mm.)	Nom. Insulation Thickness (mm)	Mini. Inner Sheath Thickness (mm)	Nom. Outer Sheath Thickness (mm)	Overall Diameter (mm)	Weight of Cable Approx. (Kg/km)
1101B050250	3.5	25	1.20/1.0	0.30	2.00	23	1250
1101B050350	3.5	35	1.20/1.00	0.30	2.00	25	1550
1101B050500	3.5	50	1.40/1.20	0.30	2.20	28	2050
1101B050700	3.5	70	1.40/1.20	0.40	2.20	32	2800
1101B050950	3.5	95	1.60/1.40	0.40	2.20	36	3700
1101B051200	3.5	120	1.60/1.40	0.50	2.40	39	4700
1101B051500	3.5	150	1.80/1.40	0.50	2.40	43	5550
1101B051850	3.5	185	2.00/1.60	0.50	2.60	47	6900
1101B052400	3.5	240	2.20/1.60	0.60	3.00	53	8950

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