

SUPERSTAR L.T. Flexible Power Cables To IS 694/1990



Technical data

- MultiCore Wire/Cables with flexible Copper Conductor for Domestic/ Industrial Installations with PVC Insulation & Sheathing.
- **Conductor resistance**
In accordance to Class 5 IS: 8130/84.
- **Conductor resistance factor**
at +20° C – see technical information
- **Admissible working temperature**
- At the conductor +70° C
- **Working voltage upto 1100 V**

Cable structure

- Plain Copper conductor extra fine stranded & bunched in accordance to Class 5 of IS 8130/1984 for higher Flexibility.
- PVC Compound for better insulation resistance and dielectric strength thus making it ideal for Power Supply.
- Marking of brand name, cross-section & ISI License No. on each meter.
- Testing of cable carried out as per IS 694/90 at our In House facility.

Application

- PVC Insulated Mutlicore Wires & Cables are used connecting various appliances & machines to the power supply.
- Mutlicore Cables are used in Public places, Commercial Complexes & Panel Board Wirings.
- The special PVC used makes it impervious to water, grease, oil. etc. makes cables highly durable.

Plain Copper Conductor, PVC Insulated Unsheathed Single Core Cables Upto 1100V

Conductor				Insulated		Current Rating
Area	No. & Size of Wires	Dia.	Resistance @20 C	Nominal Thickness Insulation	Cable Diameter Overall	
SQ.MM	MM	MM	Ohms/Km	MM	MM	AMPS
1.50	22/0.3	1.64	13.30	0.60	2.90	14
2.50	36/0.3	2.08	7.980	0.70	3.50	19
4.00	56/0.3	2.61	4.950	0.80	4.30	26
6.00	85/0.3	3.50	3.300	0.80	5.10	33
10.0	141/0.3	4.60	1.910	1.00	6.60	45
16.0	226/0.3	6.00	1.210	1.00	8.00	60
25.0	354/0.3	7.00	0.780	1.20	10.00	75
35.0	495/0.3	8.50	0.554	1.20	11.30	95

Conductor				Insulated		Current Rating
Area	No. & Size of Wires	Dia.	Resistance @20 C	Nominal Thickness Insulation	Cable Diameter Overall	
SQ.MM	MM	MM	Ohms/Km	MM	MM	AMPS
50.0	703/0.3	10.6	0.386	1.40	13.50	125
70.0	999/0.3	12.3	0.272	1.60	15.50	170
95.0	1302/0.3	14.7	0.206	1.80	18.50	210
120.0	608/0.5	16.7	0.161	2.00	20.90	235
150.0	750/0.5	18.3	0.129	2.00	22.50	295
185.0	925/0.5	20.0	0.106	2.20	24.60	330
240.0	1221/0.5	23.0	0.080	2.20	27.60	400
300.0	1527/0.5	27.2	0.064	2.40	32.20	475

Plain Copper Conductor, PVC Insulated & Sheathed Multicore Flexible Cables Upto 1100V

Conductor				Unsheathed		Sheathing Thickness			Overall Diameter			Current Rating
Area	No. & Size of Wires	Dia.	Resistance @20 C	Insulation Thickness Nominal	Overall Diameter	2 Core	3 Core	4 Core	2 Core	3 Core	4 Core	
SQ.MM	MM	MM	Ohms/Km	MM	MM	MM	MM	MM	MM	MM	MM	AMPS
1.50	48/0.2	1.64	13.30	0.60	2.90	0.90	0.90	1.00	7.60	8.10	9.00	14
2.50	80/0.2	2.08	7.980	0.70	3.50	1.00	1.00	1.00	9.00	9.60	10.50	19
4.00	56/0.3	2.61	4.950	0.80	4.30	1.00	1.00	1.00	10.60	11.30	12.40	26
6.00	85/0.3	3.50	3.300	0.80	5.10	1.15	1.15	1.40	12.60	13.40	15.20	33
10.0	141/0.3	4.60	1.910	1.00	6.60	1.40	1.40	1.40	16.00	17.00	18.80	45
16.0	226/0.3	6.00	1.210	1.00	8.00	1.40	1.40	1.40	18.80	20.10	22.20	60
25.0	354/0.3	7.60	0.780	1.20	10.00	2.00	2.00	2.00	24.00	25.60	28.20	75
35.0	495/0.3	8.70	0.554	1.20	11.10	2.00	2.00	2.00	26.30	28.00	31.00	95
50.0	703/0.3	10.6	0.386	1.40	13.40	2.00	2.00	2.00	30.90	33.00	36.50	125
70.0	999/0.3	12.3	0.272	1.40	15.10	2.00	2.20	2.40	34.20	37.00	41.00	170
95.0	1302/0.3	14.7	0.206	1.60	17.90	2.40	2.40	2.40	40.20	43.50	47.80	210

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