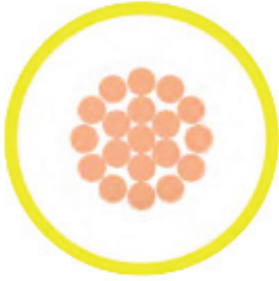




HOUSE / BUILDING WIRE



Application: Widely used in residential buildings, commercial buildings, multiplexes, institutions and also in a wide variety of industries in machineries, tools, appliances and control panels

Types & Sizes: Single core double or triple insulated cables ranging 0.5 to 240 sq mm. for voltage grade 1.1KV

Conductor: Copper – Solid, Stranded (Circular) or Flexible – Bare or Tinned

Insulation with dual / triple extrusion: PVC-HR/FR/FRLS, Zero Halogen

Specifications : IS: 694, BS: 6500, IEC 60227 and meeting customer's requirements

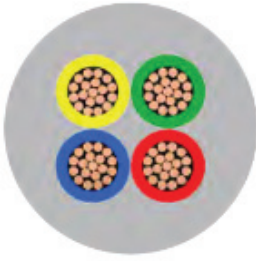
Single Core Unsheathed Flexible Cables conforming to IS: 694-1990 for Voltage Grade 1100 Volts

Cross section area of conductor	Number X Diameter of Strand (before stranding)	Thickness of Insulation	Overall Dia.	Max. Plain Copper Conductor Resistance per KM at 20 °C	Current Carrying Capacity
(Nom.)	(Approx.)	(Nom.)	(Approx.)		(For information only)
(sq. mm.)	No. / (mm)	(mm)	(mm)	(Ω/km)	(Amps.)
0.5	16/0.2	0.7	2.6	39	5
0.75	24/0.2	0.7	2.8	26	8
1	32/0.2	0.7	3.0	19.5	13
1.5	30/0.25	0.8	3.4	13.3	17
2.5	50/0.25	0.8	4.1	7.98	24
4	56/0.3	0.8	4.8	4.95	30
6	84/0.3	0.8	5.3	3.3	38
10	80/0.4	1.0	7.0	1.91	52
16	126/0.4	1.0	8.1	1.21	70
25	196/0.4	1.2	10.2	0.78	88
35	276/0.4	1.2	11.7	0.554	110
50	396/0.5	1.4	14.5	0.386	145
70	360/0.5	1.4	16.0	0.272	215
95	475/0.5	1.6	18.2	0.206	260
120	608/0.5	1.6	20.2	0.161	305
150	756/0.5	1.8	22.5	0.129	355
185	925/0.5	2.0	24.9	0.106	415
240	1221/0.5	2.2	28.4	0.0801	500

Note:

- All Conductors are Class V conforming to IS: 8130.
- Details given are for reference only and may be revised without notice.
- Other details can be provided on request.

FLEXIBLE MULTICORE CABLES



Application: These cables are used mostly in residential buildings, commercial buildings, multiplexes, institutions as well as in a wide variety of industries in machineries, tools, appliances and control panels.

Type & Sizes: Multi core cables from 0.50 to 6 sq. mm for voltage grade upto 1.1 KV

Conductor: Copper – Flexible or extra flexible – Bare or Tinned

Insulation: PVC-GP/HR/FR/FRLS, Zero Halogen

Sheath: PVC-HR/FR/FRLS, Zero Halogen

Specification: IS: 694, BS: 6500 and meeting customer's requirements

Multi Core Flexible PVC Insulated and Sheathed Cables conforming to IS: 694-1990 for Voltage Grade 1100 Volts

Cross sectional area of conductor	Thickness of Insulation	Thickness of Sheath			Overall Diameter			Max. Plain Copper Conductor Resistance per KM at 20 °C	Current Rating AC (For information only)
		No. of Cores			No. of Cores				
		Two	Three	Four	Two	Three	Four		
(Nominal)	(Nom.)	(Nom.)			(Max.)				
(sq.mm.)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(Ω/km)	(Amps.)
0.5 (16/0.2)	0.6	0.9	0.9	0.9	6.9	7.3	8.0	39	4
0.75 (24/0.2)	0.6	0.9	0.9	0.9	7.3	7.7	8.4	26	7
1.0 (32/0.2)	0.6	0.9	0.9	0.9	7.6	8.1	8.8	19.5	11
1.5 (30/0.25)	0.6	0.9	0.9	1.0	8.9	9.4	10.4	13.3	14
2.5 (50/0.25)	0.7	1.0	1.0	1.0	10.3	10.9	12.0	7.98	27
4 (56/0.3)	0.8	1.0	1.0	1.0	11.6	12.4	13.6	4.95	36
6 (84/0.30)	0.8	1.1	1.2	1.2	13	13.8	15.47	3.3	45
10 (80/0.4)	1	1.3	1.4	1.4	16.5	17.7	19.5	1.91	60
16 (126/0.4)	1	1.4	1.4	1.4	19.4	20.6	23.0	1.21	77
25 (196/0.4)	1.2	1.4	1.5	1.6	23.8	25.6	28.5	0.78	99
35 (276/0.40)	1.2	1.6	1.6	1.7	27.2	29.3	32.7	0.554	120
50 (396/0.5)	1.4	2.0	2.0	2.0	32.0	34.6	38.6	0.386	145
70 (360/0.5)	1.4	2.2	2.2	2.2	36.8	39.6	44.3	0.272	175
95 (475/0.5)	1.6	2.4	2.4	2.4	41.8	47.0	50.2	0.206	210
120 (608/0.5)	1.6	2.5	2.5	2.5	46.2	51.0	55.7	0.161	240

Note:

- All Conductors are Class V confirming to IS: 8130.
- Details given are for reference only and may be revised without notice.
- Other details can be provided on request.

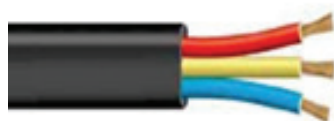
PVC Insulated Circular Sheathed Cables for Fixed Wiring (Circular) conforming to IS: 694-1990 for Voltage Grade 1100 Volts

Cross section area of conductor	Thickness of Insulation	Thickness of Insulation				Overall Dia.				Max. Plain Copper Conductor Resistance per KM at 20 °C
		Single Core	Two Core	Three Core	Four Core	Single Core	Two Core	Three Core	Four Core	
		(Nom.)				(Max.)				
(Nom.)	(Nom.)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(Ω/km)
(sq. mm.)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(Ω/km)
1	0.6	1.1	1.2	1.2	1.2	5.3	8.2	8.8	9.9	18.1
1.5	0.7	1.1	1.2	1.2	1.3	5.9	9.4	10.2	11.5	12.1
2.5	0.8	1.1	1.3	1.3	1.3	6.7	10.9	11.8	13.3	7.41
4	0.8	1.2	1.3	1.3	1.4	7.2	12	13	14.6	4.61
6	0.8	1.2	1.4	1.4	1.4	8.1	13.7	14.8	16.7	3.08
10	1.0	1.2	1.5	1.5	1.6	9.5	16.5	17.8	20.0	1.83
16	1.0	1.3	1.5	1.6	1.6	10.6	18.9	20.4	22.9	1.15
25	1.2	1.3	1.6	1.7	1.8	12.2	22.1	23.8	26.8	0.727
35	1.2	1.4	1.7	1.8	1.9	13.6	24.9	26.8	30.1	0.524
50	1.4	1.4	1.9	1.9	2.0	15.6	28.7	31.0	34.8	0.387
70	1.4	1.5	2.0	2.0	2.2	17.3	-	34.7	38.9	0.268
95	1.6	1.5	2.1	2.2	2.3	19.2	-	38.9	43.6	0.193
120	1.6	1.6	2.2	2.3	2.4	20.7	-	42.1	47.2	0.153

Note:

- All Conductors are Class II conforming to IS: 8130.
- Details given are for reference only and may be revised without notice.
- Other details can be provided on request.

FLAT CABLE



Application: Mainly used in submersible pumps & for temporary connections

Type & Sizes: Multicore cables conductor ranging from 1-16 sq.mm for voltage grade upto 1.1 KV

Conductor: Copper – Solid, Stranded, Flexible – Bare or Tinned

Insulation: PVC-GP/HR/FR, XLPE

Sheath: PVC-HR/FR

Specification: IS: 694, BS: 6500.

Two Core Flat PVC Insulated & Sheathed Copper Conductor Cable for 1100 Volt

Cross sectional area of conductor	Thickness of Insulation	Thickness of sheath	Overall Diameter (W X H)	Plain Copper Conductor Resistance per KM at 20 °C	Current Rating AC
(Nom.)	(Nom.)	(Nom.)	(Max.)	(Max.)	(For reference only)
(sq.mm.)	(mm)	(mm)	(mm)	(Ω/km)	(Amps.)
1.0	0.6	0.9	8.0 X 5.4	18.1	16
1.5	0.6	0.9	8.6 X 5.6	12.1	20
2.5	0.7	1.0	10.5 X 6.6	7.41	27
4.0	0.8	1.0	12.0 X 7.4	4.61	35
6.0	0.8	1.1	13.0 X 8.0	3.08	45
10.0	1.0	1.4	16.0 X 9.6	1.83	60
16.0	1.0	1.4	18.5 X 11.0	1.15	78

Three Core Flat PVC Insulated & Sheathed Copper Conductor Cable for 1100 Volt

Cross sectional area of conductor	Thickness of Insulation	Thickness of sheath	Overall Diameter (W X H)	Plain Copper Conductor Resistance per KM at 20 °C	Current Rating AC
(Nom.)	(Nom.)	(Nom.)	(Max.)	(Max.)	(For reference only)
(sq.mm.)	(mm)	(mm)	(mm)	(Ω/km)	(Amps.)
1.0	0.6	0.9	11.0 X 5.4	18.1	12
1.5	0.6	0.9	12.0 X 5.6	12.1	14
2.5	0.7	1.0	13.0 X 6.2	7.41	20
4.0	0.8	1.0	15.3 X 7.1	4.61	25
6.0	0.8	1.1	19.2 X 8.4	3.08	33
10.0	1.0	1.4	24.2 X 10.4	1.83	45
16.0	1.0	1.4	29.0 X 12.4	1.15	60

Note:

- Details given are for reference only and may be revised without notice.
- Other details can be provided on request.

PRODUCT RANGE

- | | | |
|--|---|--|
| <ul style="list-style-type: none"> ★ Power Cables ★ Control Cables ★ Fire Survival Cables ★ Mining Cables ★ Solar Cables ★ Flat Submersible Cables | <ul style="list-style-type: none"> ★ Rubber Cables ★ Silicon Cables ★ Multicore Flexible Cables ★ High Temperature Cables ★ Overhead Conductors ★ Railway Signalling Cables | <ul style="list-style-type: none"> ★ Instrumentation Cables ★ Thermocouple Cables ★ Marine & Offshore Cables ★ House Wiring ★ Aerial Bunched Cables ★ Other Specialised Cables |
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SPECIAL CABLES PVT. LTD.

(An ISO 9001: 2015, ISO 14001: 2015, ISO 45001: 2018 Company)

Corporate Office:

B-II/12, Mohan Co-operative Industrial Estate
 Badarpur, New Delhi-110044, India
 Phone : +91-11-29891011, 29893640
 Email : sales@specialcables.co.in
 Web : www.specialcables.co.in
 CIN: U74899DL1982PTC013639

Manufacturing Unit: Plot No. 60-65, Sector-3

SIDCUL – IIE Pantnagar, Rudrapur- 263153
 Distt.: U.S.Nagar, Uttarakhand, India
 Phone : +91-594-4250781
 E-mail : worksrdr@specialcables.co.in

BRANCH OFFICES & REPRESENTATIVES

Bangalore | Chennai | Hyderabad | Jamshedpur | Kolkata | Mumbai | Pune