

## FLEXIBLE CONTROL CABLES ( 6 to 25 Cores)

PVC Insulated and Sheathed Cables with flexible copper conductor for working voltage upto 1100 volts

Generally conforming to IS 694 : 2010

Area Sq. mm	0.50	0.75	1.00	1.50	2.50
No. of Strands / Nominal Dia. of strands	16/0.2	24/0.2	32/0.2	30/0.25	50/0.25
Nominal Insulation Thickness in mm	0.60	0.60	0.60	0.60	0.70
Max. Diameter in mm	2.60	2.80	3.00	3.40	4.10

Number of Cores	Lay up	Nominal Sheath thickness in mm / Maximum overall diameter in mm				
<b>6</b>	6	0.9 / 9.5	1.0 / 10.0	1.0 / 10.5	1.0 / 12.4	1.1 / 14.5
<b>7</b>	1-6	0.9 / 9.5	1.0 / 10.0	1.0 / 10.5	1.0 / 12.4	1.1 / 14.5
<b>8</b>	1-7	1.0 / 11.1	1.0 / 11.8	1.0 / 12.4	1.1 / 14.7	1.2 / 17.3
<b>9</b>	1-8	1.0 / 11.8	1.1 / 12.4	1.1 / 13.1	1.1 / 15.6	1.3 / 18.3
<b>10</b>	2-8	1.0 / 12.0	1.1 / 12.7	1.1 / 13.4	1.1 / 16.0	1.3 / 18.7
<b>11</b>	3-8	1.1 / 12.0	1.1 / 12.7	1.1 / 13.4	1.1 / 16.0	1.3 / 18.7
<b>12</b>	3-9	1.0 / 12.4	1.1 / 13.1	1.1 / 13.9	1.1 / 16.5	1.3 / 19.4
<b>13</b>	3-10	1.0 / 13.1	1.1 / 13.8	1.1 / 14.6	1.2 / 17.4	1.3 / 20.5
<b>14</b>	4-10	1.1 / 13.1	1.1 / 13.8	1.1 / 14.6	1.2 / 17.4	1.3 / 20.5
<b>15</b>	5-10	1.1 / 13.5	1.2 / 14.3	1.2 / 15.1	1.2 / 18.1	1.4 / 21.3
<b>16</b>	5-11	1.1 / 13.8	1.2 / 14.6	1.2 / 15.4	1.2 / 18.4	1.4 / 21.7
<b>17</b>	5-12	1.1 / 14.6	1.2 / 15.4	1.2 / 16.3	1.3 / 19.5	1.4 / 23.0
<b>18</b>	0-6-12	1.1 / 14.6	1.2 / 15.4	1.3 / 16.3	1.3 / 19.5	1.4 / 23.3
<b>19</b>	1-6-12	1.1 / 13.2	1.2 / 14.9	1.3 / 15.6	1.3 / 17.1	1.4 / 20.3
<b>20</b>	1-7-12	1.2 / 15.4	1.3 / 16.3	1.4 / 17.3	1.4 / 20.7	1.5 / 24.4
<b>21</b>	1-7-13	1.2 / 15.4	1.3 / 16.3	1.4 / 17.3	1.4 / 20.7	1.5 / 25.0
<b>22</b>	2-7-13	1.2 / 16.3	1.3 / 17.3	1.4 / 18.2	1.4 / 21.9	1.5 / 25.8
<b>23</b>	2-8-13	1.2 / 16.3	1.3 / 17.3	1.4 / 18.2	1.4 / 21.9	1.5 / 26.3
<b>24</b>	2-8-14	1.2 / 17.1	1.3 / 18.2	1.4 / 19.2	1.4 / 23.0	1.5 / 27.2
<b>25</b>	2-8-15	1.2 / 17.1	1.3 / 19.0	1.4 / 19.2	1.4 / 23.0	1.5 / 27.2
Max. Conductor Resistance in Ohm/Km at 20°C.		39.00	26.00	19.50	13.30	7.98
Approx. recommended Current Rating in Amps for 3 Phase		4	7	10	14	18

The above data is indicative and may be revised without prior information.

"Srinilink" WILL NOT BE LIABLE FOR ANY DAMAGES ARISING OUT OF INCORRECT APPLICATION

SRINILINK 1.00 SQ. MM X 5 C UP TO 1100 V AS PER IS : 694 (RoHS)



An ISO 9001-2008 Company

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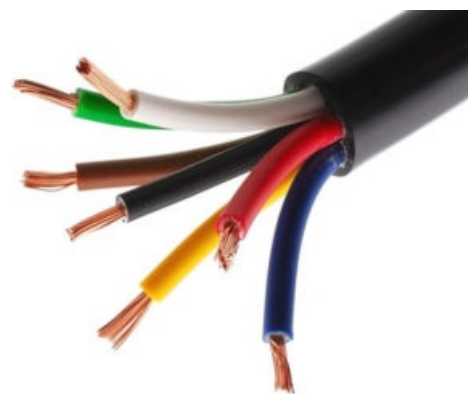
We are,  
**ONE for ALL**



**FLEXIBLE PANEL WIRE**  
**FLEXIBLE MULTICORE**  
**CABLES ( 2 TO 5 CORES )**  
**FLEXIBLE CONTROL**  
**CABLES ( 6 TO 25 CORES )**

Esttd. 02-04-1997  
**SRINILINK**  
**WIRES & CABLES**

Estd. 02-04-1997

**Application:** These cables are totally manufactured on the basis of IS : 694 standard Class 5, which are mainly used for the wiring of commercial, Industrial building & Panel Wiring, Machinery installation under typical industrial environmental condition and various electrical installations in damp areas..

**Conductor:** With Bright-annealed EC grade copper with **99.90 to 99.97 % purity**, which offers low conductor resistance, lower heating and save the power consumption.

**RoHS Insulation & Sheath:** The PVC compound formulation is specially developed by keeping view of all the ISI required properties of TYPE D ST-3 category, with an additional mechanical & chemical properties for long life and electrically safe like Abrasion resistance, Oil resistance.

**Note:** On request special kind of insulation or sheathing can be done like Type C (HR), FR, FR-LSH, ST2 category PVC compound.

**FLEXIBLE PANEL WIRES** (Generally conforming to IS:694 : 2010)

**PVC Insulated Unsheathed Cables with flexible copper conductor for working voltage upto 1100 volts**

Nominal Area of Conductor	Numbers / Diameter of Wire	Resistance Per Km @ 20° C (Max)		Max. Current Rating	Nominal Thickness of Insulation	Over All Diameter (Max)
		Plain Copper	Tinned Copper			
Sq.mm	mm	Ohms		(Amps)	mm	mm
0.5	16/0.2	39	40.1	6	0.6	2.6
0.75	24/0.2	26	26.7	9	0.6	2.8
1.0	32/0.2	19.5	20.0	14	0.6	3.0
1.5	30/0.25	13.3	13.7	18	0.6	3.4
2.5	50/0.25	7.98	8.21	24	0.7	4.1
4.0	56/0.3	4.95	5.09	32	0.8	4.8
6.0	84/0.3	3.30	3.39	42	0.8	5.3
10	140/0.3	1.91	1.95	55	1.0	7.0
16	126/0.4	1.21	1.24	75	1.0	8.1
25	196/0.4	0.780	0.795	100	1.2	10.2
35	276/0.4	0.554	0.565	125	1.2	11.7
50	396/0.4	0.386	0.393	165	1.4	13.9
70	354/0.5	0.272	0.277	240	1.4	16.0
95	480/0.5	0.206	0.210	300	1.6	18.2
120	607/0.5	0.161	0.164	325	1.6	20.2
150	760/0.5	0.129	0.132	352	1.8	22.5
185	941/0.5	0.106	0.108	400	2.0	24.9
240	1221/0.5	0.0801	0.817	455	2.2	28.4
300	1527/0.5	0.0641	0.0654	500	2.4	31.0

**Note:**  
a) Upto 50 Sqmm cables are flexible category Class - 5  
b) Above 50 Sqmm are fixed wiring cables (Class - 5 Copper construction pattern)

SRINI LINK 1.00 SQ. MM UP TO 1100 V IS : 694 (RoHS)

**FLEXIBLE MULTI CORE CABLES** (Generally conforming to IS:694 : 2010)

**PVC Insulated and Sheathed Cables with flexible copper conductor for working voltage upto 1100 volts**

Nominal Area of Conductor	Numbers / Diameter of Wire	Resistance per Km @ 20°C (Max)	Current Carrying Capacity (in Amps) as per IS : 3961				Nominal Thickness of Insulation	Nominal Thickness of Sheath / (Max) Diameter Of Sheath			
			Cable Tray		Concealed			mm	2 Core	3 Core	4 Core
Sq.mm	mm	Ohms	Single Phase	Three Phase	Single Phase	Three Phase					
0.5	16/0.2	39.0	4	4	-	-	0.6	0.9 / 7.2	0.9 / 7.6	0.9 / 8.2	0.9 / 9.0
0.75	24/0.2	26.0	7	7	-	-	0.6	0.9 / 7.8	0.9 / 8.2	0.9 / 8.8	0.9 / 9.6
1.0	32/0.2	19.5	12	10	10	9	0.6	0.9 / 8.0	0.9 / 8.6	0.9 / 9.4	1.0 / 10.5
1.5	30/0.25	13.3	16	14	13	11	0.6	0.9 / 8.6	0.9 / 9.2	1.0 / 10.5	1.0 / 11.0
2.5	50/0.25	7.98	20	18	17	15	0.7	1.0 / 10.5	1.0 / 11.0	1.0 / 12.0	1.0 / 13.0
4.0	56/0.3	4.95	27	24	22	20	0.8	1.0 / 12.0	1.0 / 12.5	1.0 / 14.0	1.1 / 15.5
6.0	84/0.3	3.30	35	30	28	25	0.8	1.1 / 13.0	1.2 / 13.8	1.2 / 15.5	--
10	140/0.3	1.91	44	39	39	34	1.0	1.3 / 16.5	1.4 / 17.5	1.4 / 19.5	--
16	126/0.4	1.21	61	55	53	46	1.0	1.3 / 19.0	1.3 / 20.0	1.4 / 22.5	--
25	196/0.4	0.780	69	60	59	51	1.2	1.4 / 23.0	1.5 / 24.5	1.6 / 27.5	--
35	276/0.4	0.554	88	77	72	63	1.2	1.5 / 25.5	1.6 / 27.5	1.7 / 30.5	--
50	396/0.4	0.386	116	102	91	82	1.4	1.6 / 29.5	1.7 / 31.5	1.8 / 35.0	--

**Note:** a) Upto 4.00 Sqmm X 5 Core cables are flexible category Class - 5  
b) Above 4.00 Sqmm all Multicore cables are fixed wiring cables (Class - 5 Copper construction pattern)  
c) Upto 4.00 Sqmm Braided & Shielded Cables are available

2 Core	3 Core	4 Core	5 Core	6 to 25 Core
Red, Black	Red, Yellow, Blue OR Red, Black, Yellow/Green	Red, Yellow, Blue, Black, OR Red, Blue, Black, Yellow/Green	Red, Yellow, Blue, Black, Grey	As per IS 694 or As per requirement

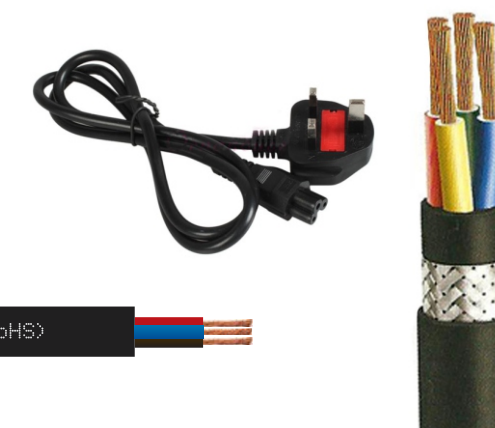
**POWER CORD FLEXIBLE MULTI CORE CABLES** (Generally conforming to IS:694 : 2010)

**PVC Insulated and Sheathed Cables with flexible copper conductor for working voltage upto 1100 volts**

Nominal Area of Conductor	Numbers / Diameter of Wire	Resistance per Km @ 20°C (Max)	Current Carrying Capacity (in Amps) as per IS : 3961	Nominal Thickness of Insulation	Nominal Thickness of Sheath / (Max) Diameter Of Sheath				
					Flat Twin Core	Twin Circular	Three Core	Four Core	Five Core
Sq.mm	mm	Ohms	Single or Three Phase	mm					
0.5	16/0.2	39.0	4	0.6	0.9 / 4.9x7.2	0.9 / 7.2	0.9 / 7.6	0.9 / 7.6	0.9 / 8.7
0.75	24/0.2	26.0	7	0.6	0.9 / 5.2x7.8	0.9 / 7.8	0.9 / 8.2	0.9 / 8.2	0.9 / 9.2
1.0	32/0.2	19.5	11	0.6	0.9 / 5.4x8.0	0.9 / 8.0	0.9 / 8.6	0.9 / 8.6	1.0 / 9.6
1.5	30/0.25	13.3	14	0.6	0.9 / 5.6x8.6	0.9 / 8.6	0.9 / 9.2	0.9 / 9.2	1.0 / 11.4
2.5	50/0.25	7.98	19	0.7	1.0 / 6.6x10.5	0.9 / 10.5	1.0 / 11.0	1.0 / 11.0	1.0 / 13.2
4.0	56/0.3	4.95	26	0.8	1.0 / 7.4x12.0	1.0 / 12.0	1.0 / 12.5	1.0 / 12.5	1.1 / 15.5

**PINS DATA (Just for information)**

SPECIFICATION	As per IS : 1293 : 2005		
WORKING VOLTAGE	2.5 Amps, 6Amps/10 Amps & 16 Amps		
SIZE		POLE	EARTHING
	For 2.5 Amps (2 Pin)	5.08	-----
	For 6 Amps/10Amps	5.08	7.06
For 16 Amps	7.06	8.71	



SRINI LINK 1.00 SQ. MM X 3 C UP TO 1100 V IS : 694 (RoHS)