



SRiNi LiNK®

Mfg. of Wires & Cables 
CONNECT YOUR FUTURE

FLEXIBLE PANEL WIRE

FLEXIBLE MULTICORE CABLES

(2 to 5 Cores)

FLEXIBLE CONTROL CABLES

(6 to 25 Cores)



www.srinilink.com



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Mfg. of Wires & Cables 
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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 offer 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 for insulation & ST-3 for sheath category, with an additional mechanical & chemical properties for long life and electrically safe like Abarasion resistance, Oil resistance.

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

SRINI LINK 1100 V 1.00 SQ. MM (Y) IS: 694 CM/L-7969919 (020)-M (ROHS) 

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)		Current Carrying Capacity (in Amps) as per IS : 3961				Nominal Thickness of Insulation	Over All Diameter (Max)
Sq.mm	mm	Ohms		Cable Tray		Concealed		mm	mm
		Plain Copper	Tinned Copper	Single Phase	Three Phase	Single Phase	Three Phase		
0.5	16/0.20	39.00	40.1	4	-	-	-	0.6	2.6
0.75	24/0.20	6.00	26.7	7	-	-	-	0.6	2.8
1.0	32/0.20	19.50	20.0	12	12	11	9	0.6	3.0
1.5	30/0.25	13.30	13.7	16	15	13	11	0.6	3.4
2.5	50/0.25	7.98	8.21	22	20	18	16	0.7	4.1
4.0	56/0.30	4.95	5.09	29	26	24	20	0.8	4.8
6.0	84/0.30	3.30	3.39	37	33	31	25	0.8	5.3
10	140/0.30	1.91	1.95	51	45	42	35	1.0	7.0
16	126/0.40	1.21	1.24	68	61	57	48	1.0	8.1
25	196/0.40	0.780	0.795	86	78	71	60	1.2	10.2
35	276/0.40	0.554	0.565	110	99	91	77	1.2	11.7
50	396/0.40	0.386	0.393	145	135	120	100	1.4	13.9
70	354/0.50	0.272	0.277	200	180	165	145	1.4	16.0
95	480/0.50	0.206	0.210	235	215	200	165	1.6	18.2
120	607/0.50	0.161	0.164	270	240	225	195	1.6	20.2
150	760/0.50	0.129	0.132	310	280	-	-	1.8	22.5
185	941/0.50	0.106	0.108	360	320	-	-	2.0	24.9
240	1221/0.50	0.0801	0.817	425	385	-	-	2.2	28.4
300	1527/0.50	0.0641	0.0654	490	440	-	-	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)

FLEXIBLE MULTI CORE SHEATH 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	Nominal Thickness of Insulation	Nominal Thickness of Sheath / (Max) Diameter Of Sheath				Resistance per Km @ 20°C (Max)	Current Carrying Capacity (in Amps) as per IS : 3961			
Sq.mm	mm	mm	2 Core	3 Core	4 Core	5 Core	Ohms	Cable Tray		Concealed	
								Single Phase	Three Phase	Single Phase	Three Phase
0.5	16/0.20	0.6	0.9 / 7.2	0.9 / 7.6	0.9 / 8.2	0.9 / 9.0	39.00	4	4	-	-
0.75	24/0.20	0.6	0.9 / 7.8	0.9 / 8.2	0.9 / 8.8	0.9 / 9.6	26.00	7	7	-	-
1.0	32/0.20	0.6	0.9 / 8.0	0.9 / 8.6	0.9 / 9.4	1.0 / 10.5	19.50	12	10	10	9
1.5	30/0.25	0.6	0.9 / 8.6	0.9 / 9.2	1.0 / 10.5	1.0 / 11.0	13.30	16	14	13	11
2.5	50/0.25	0.7	1.0 / 10.5	1.0 / 11.0	1.0 / 12.0	1.0 / 13.0	7.98	20	18	17	15
4.0	56/0.30	0.8	1.0 / 12.0	1.0 / 12.5	1.0 / 14.0	1.1 / 15.5	4.95	27	24	22	20
6.0	84/0.30	0.8	1.1 / 13.0	1.2 / 13.8	1.2 / 15.5	--	3.30	35	30	28	25
10	140/0.30	1.0	1.3 / 16.5	1.4 / 17.5	1.4 / 19.5	--	1.91	44	39	39	34
16	126/0.40	1.0	1.3 / 19.0	1.3 / 20.0	1.4 / 22.5	--	1.21	61	55	53	46
25	196/0.40	1.2	1.4 / 23.0	1.5 / 24.5	1.6 / 27.5	--	0.780	69	60	59	51
35	276/0.40	1.2	1.5 / 25.5	1.6 / 27.5	1.7 / 30.5	--	0.554	88	77	72	63
50	396/0.40	1.4	1.6 / 29.5	1.7 / 31.5	1.8 / 35.0	--	0.386	116	102	91	82

- 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) Sheath Colour : BLACK, GREY, WHITE & as per customer requirement

No. of Cores	2 Core	3 Core	4 Core	5 Core	6 to 25 Core
Insulation Colour	Red, Black	Red, Black, Yellow/Green OR Red, Yellow, Blue	Red, Yellow, Blue, Yellow/Green OR Red, Yellow, Blue, Black	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	Nominal Thickness of Insulation	Nominal Thickness of Sheath / (Max) Diameter Of Sheath					Resistance per Km @ 20°C (Max)	Current Carrying Capacity (in Amps) as per IS : 3961
Sq.mm	mm	mm	Flat Twin Core	Twin Circular	Three Core	Four Core	Five Core	Ohms	Single or Three Phase
0.5	16/0.20	0.6	0.9 / 4.9x7.2	0.9 / 7.2	0.9 / 7.6	0.9 / 7.6	0.9 / 8.7	39.0	4
0.75	24/0.20	0.6	0.9 / 5.2x7.8	0.9 / 7.8	0.9 / 8.2	0.9 / 8.2	0.9 / 9.2	26.0	7
1.0	32/0.20	0.6	0.9 / 5.4x8.0	0.9 / 8.0	0.9 / 8.6	0.9 / 8.6	1.0 / 9.6	19.50	11
1.5	30/0.25	0.6	0.9 / 5.6x8.6	0.9 / 8.6	0.9 / 9.2	0.9 / 9.2	1.0 / 11.4	13.30	14
2.5	50/0.25	0.7	1.0 / 6.6x10.5	0.9 / 10.5	1.0 / 11.0	1.0 / 11.0	1.0 / 13.2	7.98	19
4.0	56/0.30	0.8	1.0 / 7.4x12.0	1.0 / 12.0	1.0 / 12.5	1.0 / 12.5	1.1 / 15.5	4.95	26



FLEXIBLE CONTROL SHEATH 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/.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				
6	6	0.9 / 9.5	1.0 / 10.0	1.0 / 10.5	1.0 / 12.4	1.1 / 14.5
7	1-6	0.9 / 9.5	1.0 / 10.0	1.0 / 10.5	1.0 / 12.4	1.1 / 14.5
8	1-7	1.0 / 11.1	1.0 / 11.8	1.0 / 12.4	1.1 / 14.7	1.2 / 17.3
9	1-8	1.0 / 11.8	1.1 / 12.4	1.1 / 13.1	1.1 / 15.6	1.3 / 18.3
10	2-8	1.0 / 12.0	1.1 / 12.7	1.1 / 13.4	1.1 / 16.0	1.3 / 18.7
11	3-8	1.1 / 12.0	1.1 / 12.7	1.1 / 13.4	1.1 / 16.0	1.3 / 18.7
12	3-9	1.0 / 12.4	1.1 / 13.1	1.1 / 13.9	1.1 / 16.5	1.3 / 19.4
13	3-10	1.0 / 13.1	1.1 / 13.8	1.1 / 14.6	1.2 / 17.4	1.3 / 20.5
14	4-10	1.1 / 13.1	1.1 / 13.8	1.1 / 14.6	1.2 / 17.4	1.3 / 20.5
15	5-10	1.1 / 13.5	1.2 / 14.3	1.2 / 15.1	1.2 / 18.1	1.4 / 21.3
16	5-11	1.1 / 13.8	1.2 / 14.6	1.2 / 15.4	1.2 / 18.4	1.4 / 21.7
17	5-12	1.1 / 14.6	1.2 / 15.4	1.2 / 16.3	1.3 / 19.5	1.4 / 23.0
18	0-6-12	1.1 / 14.6	1.2 / 15.4	1.3 / 16.3	1.3 / 19.5	1.4 / 23.3
19	1-6-12	1.1 / 13.2	1.2 / 14.9	1.3 / 15.6	1.3 / 17.1	1.4 / 20.3
20	1-7-12	1.2 / 15.4	1.3 / 16.3	1.4 / 17.3	1.4 / 20.7	1.5 / 24.4
21	1-7-13	1.2 / 15.4	1.3 / 16.3	1.4 / 17.3	1.4 / 20.7	1.5 / 25.0
22	2-7-13	1.2 / 16.3	1.3 / 17.3	1.4 / 18.2	1.4 / 21.9	1.5 / 25.8
23	2-8-13	1.2 / 16.3	1.3 / 17.3	1.4 / 18.2	1.4 / 21.9	1.5 / 26.3
24	2-8-14	1.2 / 17.1	1.3 / 18.2	1.4 / 19.2	1.4 / 23.0	1.5 / 27.2
25	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.

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

SRiNi LiNK 1100 V 5 C X 1.00 SQ.MM (YY) IS: 694 IS CH/L-7969919 (023)-M (RHS)

SRiNi LiNK

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