

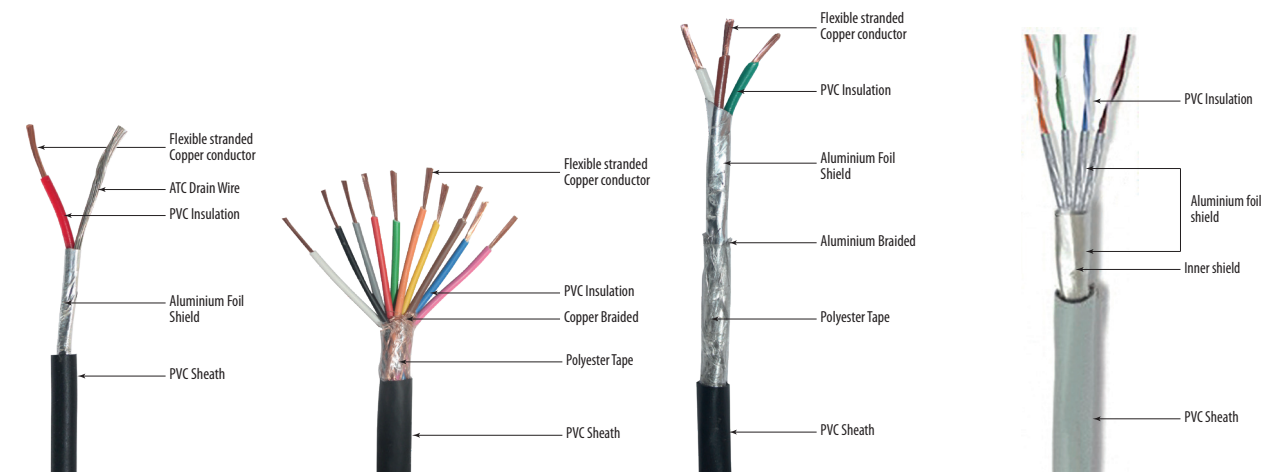


# SRINI LINK®

Mfg. of Wires & Cables 

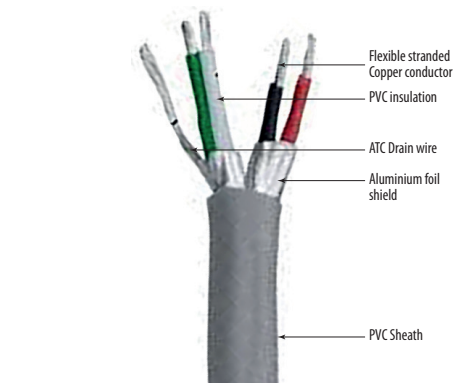
CONNECT YOUR FUTURE

## SCREEN CABLES



**We are one of the Best & Reliable of Screened cables manufacturer in the market.  
We manufacture all the below type of Screened cables.**

- Plain copper wire braided
- Tinned copper wire braided
- Fine gauge aluminum wire braided
- Aluminium mylar tape screened



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# SRiNi LiNK®

Mfg. of Wires & Cables   
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## SCREEN CABLES

**Application:** The screened cables (shielded cables) in any system like PLC drive system of panel, Digital display of panel, Automobile, Appliances electrical devices. It provides some protection from power frequency and radio frequency interference, which result the number of false, Error alarms being generated.

**Features:** The Screening / Shield acts as a faraday cage to reduce.

- Electrical noise from affecting the signals.
- To reduce electromagnetic radiation which may interfere with other devices.
- The screening / shield minimizes capacitive coupled noise from other electrical sources.
- In airplanes, special cables is used with both an outer shield / screening to protect against lightning and an inner shield grounded at one to eliminate hum from the 400Hz power system.
- Screened microphone or signal cables used in recording studios is usually screened twisted pair cable which carries the signal in a balanced audio configuration.

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

Plain/Tinned annealed circular stranded copper conductor as per class-5, conform to IEC 60227-7.

**Insulation:** The insulation shall be polyvinyl chloride compound of type PVC/D applied around each conductor (conform to IEC 60227-7)

If requirement of any special Insulation material is there like below it can be produced.

- PVC
- HR-FR *(If the customer requires anti-rodent properties then we will add those properties)*
- PVC FR/FRLSH
- HDPE
- XLPE
- ZHFR

**Core Identification:** Expect the green and yellow core, if any, all cores shall be identified by accordance with IS-694:2010 or IEC 60227-7 & as per customer requirement.

**Tapping:** Accumulated pairs is generally done tapping with PTP Tape. (Polyester Tape Plastic). If any special tapping requirement is there, then that material can be used like etc.

- Aluminium Mylar Tape
- PVC tape
- Cotton Tape

**Screening:** Two or more insulated conductors are uniformly twisted to form pairs which are then assembled. The paired conductors may be:

- Individually screened
- Overall screened
- As per requirement

Screening materials can be Plain/Tinned annealed circular stranded copper (conform to IEC 60227-7).

Different types of Screening material:

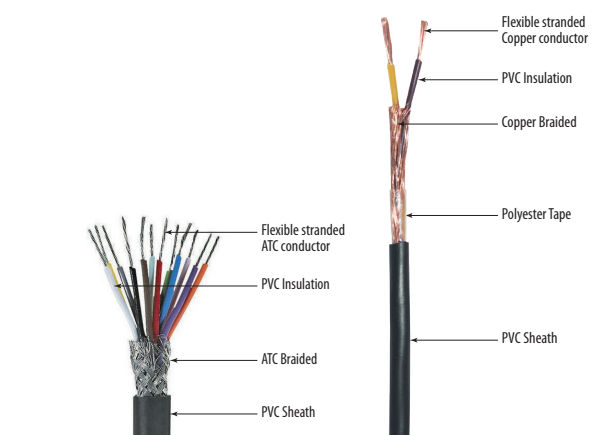
- 1) Plain/Tinned annealed copper
- 2) Aluminium mylar Tape with ATC Drain wire
- 3) Aluminium fine gauge wire

**Sheathing:** The sheath shall be polyvinyl chloride compound of type PVC/ST9 (conform to IEC 60227-7).

- PVC
- HRFR (If the customer requires antirodent properties then we will add those properties)
- ZHFR
- PVC FR/HRFR
- PVC FR-LSH
- TPU/TPE & etc.

### Some tips to How to use the Screened Cables:

- 1) Ground the shield at both ends of the cable. (but this created possibility of ground loops also, so precaution should taken by consulting Engineer)
- 2) While wiring keep data or signal cables physically separated by at least 3 inches (75mm) from heavy power circuits which are in parallel.
- 3) Screening / Shielding in high voltage power cables are done for protection of cable insulation, people and surrounding equipments.



## Technical Specification for SCREEN CABLES

(Generally conform to IEC 60227-7)

Area of conductor (mm <sup>2</sup> )	No. of Cores	No. of Strands	Max. wire diameter in Conductor (mm)	Resistance per Ω/Km@ 20°C (Max)	Insulation thickness (mm)	Optional		Screen max. diameter of single wire (mm)	Overall sheath thickness (mm)	Mean overall diameter		Minimum insulation Resistance at 70°C (MΩ.KM)
						Tape	Inner sheath thickness (mm)			Lower limit (mm)	Upper limit (mm)	
0.50	2	16	0.210	39.00	0.60	PTP Tape (16mm X 0.03mm)	0.70	0.160	0.90	7.70	9.60	0.013
	3				0.60		0.70	0.160	0.90	8.00	10.00	
	4				0.60		0.70	0.160	0.90	8.50	10.70	
	5				0.60		0.70	0.160	1.00	9.30	11.60	
	6				0.60		0.70	0.160	1.00	9.90	12.40	
	7				0.60		0.70	0.160	1.10	10.80	13.50	
	12				0.60		0.80	0.210	1.30	13.30	16.50	
	18				0.60		0.80	0.210	1.30	15.10	18.60	
	27				0.60		0.80	0.210	1.60	18.00	22.10	
	36				0.60		0.80	0.210	1.70	20.10	24.70	
	48				0.60		0.90	0.260	1.90	23.10	28.30	
	60				0.60		1.00	0.260	2.10	25.50	31.10	
0.75	2	24	0.210	26.00	0.60	PTP Tape (16mm X 0.03mm)	0.70	0.160	0.90	8.00	10.00	0.011
	3				0.60		0.70	0.160	0.90	8.30	10.40	
	4				0.60		0.70	0.160	1.00	9.10	11.30	
	5				0.60		0.70	0.160	1.00	9.70	12.10	
	6				0.60		0.70	0.160	1.10	10.50	13.10	
	7				0.60		0.70	0.160	1.20	11.50	14.30	
	12				0.60		0.80	0.210	1.30	13.90	17.20	
	18				0.60		0.80	0.210	1.50	16.20	19.10	
	27				0.60		0.90	0.210	1.70	19.30	23.70	
	36				0.60		0.90	0.210	1.80	21.30	26.20	
	48				0.60		1.00	0.260	2.10	24.90	30.40	
	60				0.60		1.00	0.260	2.20	27.00	32.90	
1.00	2	32	0.210	19.50	0.60	PTP Tape (16mm X 0.03mm)	0.70	0.160	0.90	8.20	10.30	0.010
	3				0.60		0.70	1.000	1.00	8.80	11.00	
	4				0.60		0.70	0.160	1.00	9.40	11.70	
	5				0.60		0.70	0.160	1.10	10.30	12.80	
	6				0.60		0.70	0.160	1.10	11.00	13.60	
	7				0.60		0.80	0.160	1.20	12.20	15.10	
	12				0.60		0.80	0.210	1.40	14.70	18.10	
	18				0.60		0.80	0.210	1.50	16.90	20.80	
	27				0.60		0.90	0.210	1.70	20.20	24.70	
	36				0.60		0.90	0.210	1.90	22.50	27.60	
	48				0.60		1.00	0.260	2.10	26.10	31.90	
	60				0.60		1.00	0.260	2.30	28.50	34.70	
1.50	2	30	0.260	13.30	0.70	PTP Tape (16mm X 0.03mm)	0.70	0.160	1.00	9.30	11.60	0.010
	3				0.70		0.70	0.160	1.00	9.70	12.10	
	4				0.70		0.70	0.160	1.10	10.70	13.20	
	5				0.70		0.80	0.160	1.20	11.80	14.70	
	6				0.70		0.80	0.160	1.20	12.70	15.70	
	7				0.70		0.80	0.210	1.30	14.10	17.40	
	12				0.70		0.80	0.210	1.50	16.70	20.50	
	18				0.70		0.90	0.210	1.70	19.60	24.10	
	27				0.70		0.90	0.210	2.00	23.40	28.60	
	36				0.70		1.00	0.260	2.20	26.60	32.50	
	48				0.70		1.10	0.260	2.40	30.40	37.00	
	60				0.70		1.10	0.260	2.40	32.70	39.90	
2.50	2	50	0.260	7.98	0.80	PTP Tape (16mm X 0.03mm)	0.70	0.160	1.10	10.70	13.30	0.009
	3				0.80		0.70	0.160	1.10	11.30	14.00	
	4				0.80		0.80	0.160	1.20	12.60	15.50	
	5				0.80		0.80	0.210	1.30	13.90	17.20	
	6				0.80		0.80	0.210	1.40	15.20	18.70	
	7				0.80		0.80	0.210	1.50	16.50	20.30	
	12				0.80		0.90	0.210	1.70	19.90	24.40	
	18				0.80		0.90	0.210	2.00	23.30	28.50	
	27				0.80		1.00	0.260	2.30	28.20	34.50	
	36				0.80		1.00	0.260	2.40	31.50	38.50	
	48				0.80		1.20	0.310	2.40	35.90	43.70	
	60				0.80		1.20	0.310	2.40	38.80	47.20	

## TIER 1 CUSTOMERS



## LIST OF OUR END USER CUSTOMERS

### AUTOMOBILE



### PANEL & SWITCH BOARD



### SRiNi LiNK

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