Since 1997

SRiNi LiNK®

Mfg. of Wires & Cables

CONNECT YOUR FUTURE

SOLAR CABLES

(Photovoltaic Wire)

RoHS 2 COMPLIANT

www.srinilink.com

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COMPANY PROFILE

A Warm welcome from **SRiNi LiNK TEAM.**

SRiNi LiNK produces one of the best cables & wires since 02/04/1997 for the existing customers & global market, by meeting their standards or customized requirement with a various product ranges.

To produce quality & quantity, we have installed all the best possible latest world class technologies machinery at our plant

For optimum consistency of quality, quantity & services along with traceability of material from incoming to outgoing, we have implemented ISO 9001-2010 system since 01/03/2001.

We cater verities of product to many different customers, but for INDIAN, AMERICAN & CANADA market we have below certified PVC cable products by their respective departments

1) **IS : 694 : 2010** **(BIS : Bureau of Indian Standard)**
2) **IS 1554** **(BIS : Bureau of Indian Standard)**
3) **IS 7098** **(BIS : Bureau of Indian Standard)**
4) **EN-50525** **(CE)**
5) **UL : 758** **(Underwriter Laboratories)**

Mfg. Different cable standard by matching their properties

1) **IS 2465 - 1984** **(BIS : Bureau of Indian Standard)**
2) **ISO 6722** **(International Organisation for Standardisation)**
3) **DIN 72551 - 6** **(Deutshes Institut für Normung) - Obsolute**
4) **JASO D 611 / 608** **(Japanese Automobile Standard)**
5) **JIS C 3406 - 1993** **(Japanese Industrial Standard)**
6) **BS 6862 : Part 1 : 1971** **(BSI : British Standard Institute)**
7) **EN-60228** **(EN-European Norm - Solar Cables)**
8) **EN-50618** **(Solar Cables)**

In the consideration of environmental safety and green product, **SRiNi LiNK** has its own **GREEN GROUND** in form of **100% RoHS INHOUSE** PVC Compound manufacturing plant since 2003 along with **REACH Compliance** since 2011 (against demand)

With production technology, management system & maximum environmental friendly products, **SRiNi LiNK** has created its own unique & distinguish name for its quality product & services.

a) **Domestic market (Network Business)**
b) **Automobile Industries (OEM)**
c) **Appliances product (White goods)**
d) **Panel Board & Distribution Board Mfg.**

"SRiNi LiNK" the brand itself has created its glorious name in the market of automobile industries, switchgear, power industries & domestic wiring sector.

Vision

Our vision is to become the World's leading Wires & Cables Manufacturing Company, offering Our Valued Customers Latest & World Class Quality Products which are 100 % Safe & Environment friendly by following all Compliant, Statutory, Legal Practices and Social Obligations.

Mission

To capture minimum 50% Segment of Domestic Market for Industrial Wires & Cables, by FY-2025

To reach a status of "Green Channel", for 90% of our customers, by FY-2023

To Establish our reach ability in PAN India market , through setting up region wise Sales Outlets, Stock Points and Aggressive Marketing, supported by a Strong Sales Team with Logistical Hubs, by FY-2023

Values

We keep it real always and we are one for all.

We provide quality products and services that meet our customers needs.

History of FOUNDER **V. Deiva Sigamani**

On 01 September 1976 The founder of **"SRiNi LiNK"** ***Mr. V. DEIVA SIGAMANI*** started his career as a Machine operator in INDO FLEXIBLE CABLE AND WIRE INDUSTRIES PVT LTD (Mumbai), later within six month he has promoted as Senior operator incharge of maintenance. Along with working, he joined ITI training course for learning lathe, drilling, welding machine and other tools etc. with his knowledge, company team has developed Vertical stranding machine in-house.

Later in 1977 Company was shifting to Hyderabad with small part working in Mumbai, So Mr. V. DEIVA SIGAMANI was promoted to project Incharge for Hyderabad unit (machinery installation, man power recruitment and training to man power), and he had successfully accomplished the task within short period.

By seeing above all hard work and dedication, he was promoted to chief fore man of the company and subsequently promoted as work manager (fully incharge of the entire Hyderabad & Mumbai operation of the company) while his tenure, team has designed wiring harness for;

- Premier Automobiles Ltd.
- Allwyn Nissan Ltd.
- Capol farm Equipment Ltd. (Eicher Tractors Ltd), Etc
- Mahindra & Mahindra Ltd.
- Andhra Pradesh Scooters Ltd.

In the year 1983 With an individual thinking and demands of wiring harness in Indian automobile industries, He started his own unit in Hyderabad **M/s. SARAVANAN INDUSTRIES**, which undertook job work of INDO FLEXIBLE CABLE AND WIRE INDUSTRIES PVT LTD.

In the year 26/08/1986 A group of nine people and Mr. V. Deivasigamani as a founder & works director started a wiring harness unit named **M/s SRINISONS CABLES PVT LTD,**

1) Construction of shed.
2) Machinery layout and erection.
3) Development of tooling for wiring harness & battery cables mfg.
4) Recruitment & training of man power.
5) Sample development for customer & there approval from customer ends.
6) Quality assurance.
7) New development.

Above all work was taken care & successfully achieved by ***Mr. V. Deivasigamani*** in his working tenure.

- **MARUTI UDYOG LTD (OMNI VAN, Maruti 800, Gypsy)**
- **BIRLA YAMAHA LTD (Portable Generators)**
- **SWARAJ MAZDA (Tempo)**

02/04/1997 SRiNi LiNK Journey begins with above all experience and high individual thinking of Mr. V. DEIVA SIGAMANI, who had setup a Proprietary firm named M/s SRiNi LiNK later in 2007 the same unit changed into partnership firm with his two son.

Initially plant was setup to manufacture wiring harness for Automobile industries (OEM), Power cords for appliance industries (White goods). Later company has developed varieties of product range, which you can see in product list.

In the year 2003 The passion of development & seeing the competitive market, company has developed its own INHOUSE PVC compounding facility for HR, FR, HR-FR, FR-LSH, AVX, etc, but as the requirement of market & in consideration of Environment. Company has developed RoHS PVC Compound in 2006.

In the year 2007 The passion of development & seeing the competitive market, with concept of all major raw material in house, company has developed INHOUSE Wire drawing facility with Indian make machine, later in 2011 the facility was replaced by GERMAN technology 8 LINE WIRE DRAWING machine. From 2010 our PVC Compound unit is 100% RoHS and as per requirement.

In the year 2011 we have developed REACH Compliance PVC compound.

In the year 2014 INHOUSE PVC colour master batch 100% RoHS & Reach compliance.

With lots of development passion, today SRiNi LiNK has achieved a leading name in cables & wires industries through serving below 4 major segments

- Domestic Market (network sales)
- Automobiles Industries (OEM)
- Panel Board & distribution board Mfg
- Appliance industries (White Goods)

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SOLAR CABLE (Photovoltaic Wire) : -

Application: Solar cable is the interconnection cable used in photovoltaic power generation device and which interconnects solar panels and other electrical components of a photovoltaic system.

Features: The photovoltaic power system means outdoor green electric generation, so solar cables are designed for

- High temperatures resistance
- High UV radiation resistance
- Dry or Wet weather resistance
- Salty moisture resistant.

} or as per requirement

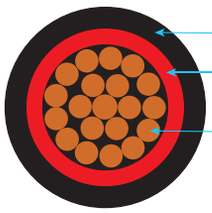
Single-core cables with a maximum permissible DC voltage of 600 V to 2000 V and a temperature range from -40°C to +105°C are generally used.

Conductor: EC Grade Annealed Tinned Copper (ATC) with 99.90 % to 99.97 % purity, which offer low conductor resistance, lower heating which help maximum current follow with less resistance to storage device or high tension connected line.

On demand EC grade bare copper can be used with 99.90% to 99.97% purity.

PHOTO VOLTAIC CABLE (SOLAR)

SOLAR PV CABLE
Generally conforming to EN 50618



CONDUCTORS

Construction : The class of the conductor shall be class 5 in accordance with **EN 60228.**

Solar PV Cable Size : **1.5mm² ～240 mm²**

Solar PV Cable Size Conductor : **Tinned Copper, Annealed Bare Copper**

INSULATION

Insulation Material : HFFR or equivalent

Jacket Material (Sheathing) : HFFR or equivalent (Anti rodent, Anti termite & UV resistant)

Rated Voltage : DC 1500 V (AC 1000V)

Rated Temperature : 90 °C

Standard : Generally conforming to EN 50618

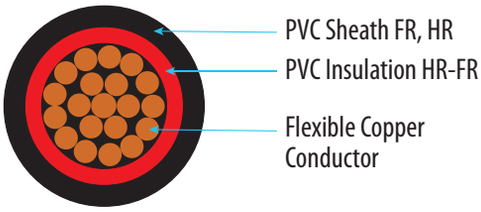
Solar PV Cable Size Application : A Solar PV Cable Size is the interconnection cable used in photovoltaic power generation. Solar PV cables interconnect solar panels and other electrical components of a photovoltaic system and are designed to be UV resistant.

TECHNICAL SPECIFICATION:

Nominal Area of Conductor	Number of Strand's / Diameter of Wire (Max.)	Nominal Thickness Insulation	Nominal Thickness of Sheath	Overall Dia. of Insulation (Max.)	Resistance per Km @ 20 deg C (max.)		Current carrying Capacity according to method of installation at 60° C (as per EN 50618)		
					Bare Copper	Tinned Copper	Single Cable free in Air	Single Cable on a Surface	Tow loaded cables touching, on a Surface
Sq.mm	mm	mm	mm	mm	Ohms	Ohms	Amps	Amps	Amps
1 x 1.5	30/.025	0.70	0.80	5.40	13.30	13.70	30	29	24
1 x 2.5	50/0.25	0.70	0.80	5.90	7.98	8.21	41	39	33
1 x 4	56/0.30	0.70	0.80	6.60	4.95	5.09	55	52	44
1 x 6	84/0.30	0.70	0.80	7.40	3.30	3.39	70	67	57
1 x 10	140/0.30	0.70	0.80	8.80	1.91	1.95	98	93	79
1 x 16	126/0.40	0.70	0.90	10.10	1.21	1.24	132	125	107
1 x 25	196/0.40	0.90	1.00	12.50	0.780	0.795	176	167	142
1 x 35	276/0.40	0.90	1.10	14.00	0.554	0.565	218	207	176
1 x 50	396/0.40	1.00	1.20	16.30	0.386	0.393	276	262	221
1 x 70	354/0.50	1.10	1.20	18.70	0.272	0.277	347	330	278
1 x 95	480/0.50	1.10	1.30	20.80	0.206	0.210	416	395	333
1 x 120	607/0.50	1.20	1.30	22.80	0.161	0.164	488	464	390
1 x 150	760/0.50	1.40	1.40	25.50	0.129	0.132	566	538	453
1 x 185	941/0.50	1.60	1.60	28.50	0.160	0.108	644	612	515
1 x 240	1221/0.50	1.70	1.70	32.10	0.0801	0.0817	775	736	620

SOLAR PV CABLE

Generally conforming to IS 694 : 2010



CONDUCTORS

Construction : The class of the conductor shall be class 5 in accorance with **IS 8130**

Solar PV Cable Size : **1.5mm² ~120 mm²**

Solar PV Cable Size Conductor : **Tinned Copper, Annealed Bare Copper**

INSULATION

Insulation Material : TYPE C Insulation- (HR-FR)

Jacket Material : PVC ST-2, (FR , HR & as per Customer Requirement)

Rated Voltage : 1100 V (DC 1500V)

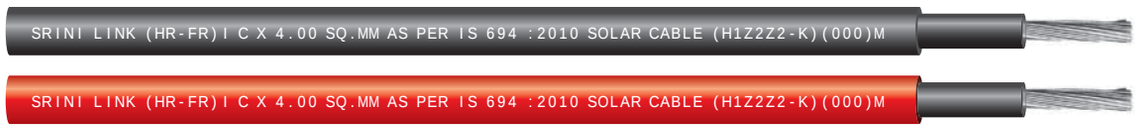
Rated Temperature : 85 °C

Standard : Generally conforming to IS 694 : 2010

Solar PV Cable Size Application : A Solar PV Cable Size is the interconnection cable used in photovoltaic power generation. Solar PV cables interconnect solar panels and other electrical components of a photovoltaic system and are designed to be UV resistant and weather resistant.

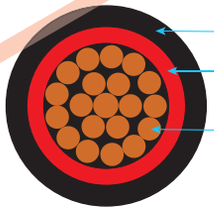
TECHNICAL SPECIFICATION:

Nominal Area of Conductor	Number of Strand's / Diameter of Wire (Max.)	Nominal Thickness Insulation	Nominal Thickness of Sheath as per EN 50618	Overall Dia. of Insulation (Max.) as per EN 50618	Resistance per Km @ 20 deg C (max.)		Current carrying Capacity according to method of installation at 60° C (as per EN 50618)		
					Bare Copper	Tinned Copper	Single Cable free in Air	Single Cable on a Surface	Tow loaded cables touching, on a Surface
Sq.mm	mm	mm	mm	mm	Ohms	Ohms	Amps	Amps	Amps
1 X 1.50	30/0.25	0.70	0.80	5.40	13.30	13.70	30	29	24
1 X 2.50	50/0.25	0.80	0.80	5.90	7.98	8.21	41	39	33
1 x 4	56/0.30	0.80	0.80	6.60	4.95	5.09	55	52	44
1 x 6	84/0.30	0.80	0.80	7.40	3.30	3.39	70	67	57
1 x 10	140/0.30	1.00	0.80	8.80	1.91	1.95	98	93	79
1 x 16	126/0.40	1.00	0.90	10.10	1.21	1.24	132	125	107
1 x 25	196/0.40	1.20	1.00	12.50	0.780	0.795	176	167	142
1 x 35	276/0.40	1.20	1.10	14.00	0.554	0.565	218	207	176
1 x 50	396/0.40	1.40	1.20	16.30	0.386	0.393	276	262	221
1 x 70	354/0.50	1.40	1.20	18.70	0.272	0.277	347	330	278
1 x 95	480/0.500	1.60	1.30	20.80	0.206	0.210	416	395	333
1 x 120	607/0.500	1.60	1.30	22.80	0.161	0.164	488	464	390



SOLAR PV CABLE

Generally conforming to UL 4703



CONDUCTORS

- **Construction** : Below copper conductor table match sq.mm as per **IEC 60228 Class- 5**
- **Solar PV Cable Size** : **18 awg to 400 awg**
- **Solar PV Cable Size Conductor** : **Tinned Copper, Annealed Bare Copper**

INSULATION

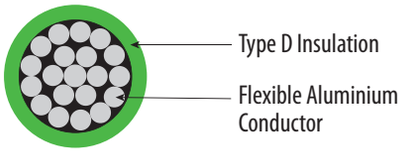
- **Insulation Material** : PVC
- **Jacket Material** : PVC
- **Rated Voltage** : 600 V, 1000 V, 2000 V
- **Rated Temperature** : 105 °C
- **Standard** : Generally conforming to UL 4703
- **Solar PV Cable Size Application** : A solar PV cable is the interconnection cable used in photovoltaic power generation. Solar PV cables interconnect solar panels and other electrical components of a photovoltaic system and are designed to be UV resistant and weather resistant.

TECHNICAL SPECIFICATION:

AWG	Nominal Area of Conductor	Number of Strand's / Diameter of Wire (Max.)	Nominal Thickness Insulation	Nominal Thickness of Sheath	Overall Dia. of Insulation (Max.)	Resistance per Km @ 20 deg C (max.)		Current carrying Capacity according to method of installation at 60° C (as per EN 50618)		
						Bare Copper	Tinned Copper	Single Cable free in Air	Single Cable on a Surface	Tow loaded cables touching, on a Surface
Awg	Sq.mm	mm	mm	mm	mm	Ohms	Ohms	Amps	Amps	Amps
18	0.823	16/0.260	1.90	1.90	8.90	21.80	23.20	30	29	24
17	1.04	32/0.205	1.90	1.90	9.00	17.30	18.30	30	29	24
16	1.31	30/0.240	1.90	1.90	9.20	13.70	14.60	30	29	24
15	1.65	32/0.260	1.90	1.90	9.40	10.90	11.30	30	29	24
14	2.08	48/0.240	1.90	1.90	9.60	8.62	8.96	30	29	24
13	2.63	64/0.235	1.90	1.90	9.90	6.82	7.10	41	39	33
12	3.31	64/0.260	1.90	1.90	10.10	5.43	5.64	41	39	33
11	4.17	64/0.295	1.90	1.90	10.40	4.30	4.48	55	52	44
10	5.261	80/0.295	1.90	1.90	10.80	3.409	3.546	70	67	57
8	8.367	112/0.310	2.41	2.41	13.60	2.144	2.230	98	93	79
7	10.55	144/0.310	2.41	2.41	14.10	1.700	1.768	98	93	79
6	13.30	168/0.320	2.41	2.41	14.60	1.348	1.403	98	93	79
5	16.77	224/0.310	2.41	2.41	15.20	1.070	1.113	132	125	107
4	21.15	168/0.400	2.41	2.41	15.80	0.8481	0.8820	176	167	142
3	26.67	224/0.395	2.41	2.41	16.70	0.6727	0.6996	176	167	142
2	33.62	448/0.310	2.41	2.41	17.40	0.5335	0.5548	218	207	176
1	42.41	608/0.300	2.79	2.79	19.90	0.4230	0.4398	276	262	221
1./0	53.49	304/0.475	2.79	2.79	21.00	0.3354	0.3387	276	262	221
2./0	67.43	608/0.380	2.79	2.79	22.30	0.2660	0.2766	347	330	278
3./0	85.01	608/0.425	2.79	2.79	23.60	0.2110	0.2194	416	395	333
4./0	107.2	608/0.475	2.79	2.79	25.00	0.1673	0.1722	416	395	333
250	127.0	912/0.425	3.18	3.18	27.90	0.1416	0.1473	488	464	390
300	152.00	1216/0.400	3.18	3.18	29.20	0.1180	0.1227	566	538	453
350	177.00	1216/0.430	3.18	3.18	30.50	0.1011	0.1052	644	612	515
400	203.00	1824/0.375	3.18	3.18	31.70	0.08851	0.09109	644	612	515

LIGHTNING ARRESTER CABLE

Generally conforming to IS 694 : 2010



CONDUCTORS

Construction	: The class of the conductor shall be class 2 in accordance with **IS 8130**
LA Cable Size	: **6.00 mm² ~ 50.00 mm²**
LA Cable Size Conductor	: **Aluminium conductor**

INSULATION

Insulation Material	: TYPE D Insulation
Rated Voltage	: 1100 V (DC 1500V)
Rated Temperature	: 85 °C
Standard	: Generally conforming to IS 694 : 2010

APPLICATION

Generally, this cable is used in panel systems and nowadays this cable is used in solar lightning arrester earthing connectors.

TECHNICAL SPECIFICATION:

Area of Conductor	Number of Strand's / Diameter of Wire (Max.)	Nominal Thickness of Insulation as per IS 694	Overall Dia. of Insulation (Max.) as per IS 694	Resistance per Km @ 20 deg C (max.)	Normal Current Rating as per IS 3961 (Part-II)		
				Aluminium Conductor	Single Cable free in **Ground**	Single Cable free in **Duct**	Single Cable free in **Air**
Sq.mm	mm	mm	mm	Ohms	Amps	Amps	Amps
1 x 6	28/0.500	0.80	5.30	4.61	44	42	41
1 x 10	49/0.500	1.00	7.00	3.08	59	56	56
1 x 16	84/0.500	1.00	8.10	1.91	75	71	72
1 x 25	126/0.500	1.20	10.20	1.200	97	93	99
1 x 35	168/0.500	1.20	11.70	0.868	120	110	120
1 x 50	248/0.500	1.40	13.90	0.641	150	130	150

TIER 1 CUSTOMERS

MINDA, Lucas TVS Limited

LIST OF OUR END USER CUSTOMERS

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PANEL & SWITCH BOARD

MEGAWIN, stelmec, SIEMENS, Crompton Greaves, Havells, EPCOS

SRiNi LiNK

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