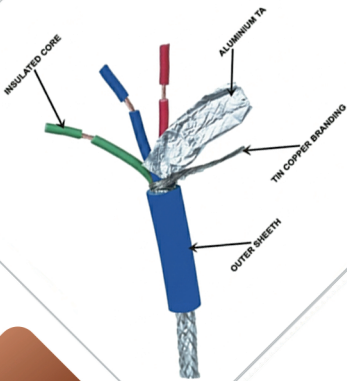
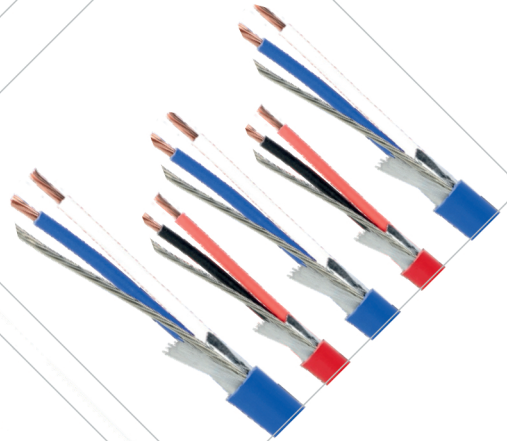




# Hariom TECHNO CABLES

MANUFACTURER OF WIRES & CABLES



[www.hariomtechnocables.com](http://www.hariomtechnocables.com)

IS 694



CM/L : 7100138597



Tested for Quality & Reliability



High Insulation Strength



100% Pure Copper Conductors

# AUTOMOTIVE CABLES (Type FLRY-B)

Svarn specializes in manufacturing of thin wall PVC insulated Class-B cables, widely used in all automotive wiring harnesses. These cables are popularly known as FLRY-B in industries. These cable can therefore operate under extreme conditions like electric, mechanical, chemical, fire condition. and also offer very high flexibility.

## TECHNICAL DATA

- **Cable Type** : FLRY-B Thin wall (ISO 6722 Class B)
- **Reference Specification** : ISO 6722-1:2011(E)
- **Conductor Material** : Soft Annealed Electrolytic Copper (Cu Purity - > 99.97 %; Conductivity - >101%)
- **Insulation Material** : HR PVC (Lead Free)
- **Voltage Rating** : 60 V DC
- **Temperature Range** : -40°C to +105°C
- **Special properties** : Long Term Heat Ageing at 3000 Hrs.
- **Cable Range** : 0.13 to 50.00 mm<sup>2</sup>
- **Product Safety** : RoHS & REACH compliance



## APPLICATION:

- Thin wall low voltage cables are widely used in modern new generation compact automobile wiring harnesses.
- Thick Wall cables are used at 600V battery cable application.

## PACKING:

- In coil or bobbin form

## COLOR:

- Cables are available in various single & dual stripe color as per customer requirement.

## FEATURES

- Withstand Voltage Test (1 KV for 30 Min.)
- Pressure Test at High Temperature as per ISO 6722
- Low Temperature Winding at -40°C
- Low Temperature Impact at -15°C
- High Abrasion Resistance as per ISO 6722
- Short & Long Term Ageing as per ISO 6722
- Thermal over load ageing
- Heat shrinkage as per ISO 6722
- Highly resistive to chemical fluids as per ISO 6722
- Temperature and Humidity Cycling as per ISO 6722
- Resistance to Hot Water (85°C, 35 Days, 48 V DC)

Conductor				Insulated Cable				
Cross section area	No./Strand Diameter (Max.)	Bunch Diameter (Max.)	Resistance @ 20°C (Max.)	Insulation Thickness (Min)	Overall Diameter		Current Carrying Capacity*	Weight Approx.
mm <sup>2</sup>	mm	mm	Ω/km	mm	mm (min)	mm (max)	Amp	kg/km
0.13	7/0.16	0.55	136.00	0.20	0.95	1.05	6	2.3
0.22	7/0.21	0.70	84.80	0.20	1.10	1.20	9	3.2
0.35	12/0.21	0.90	54.40	0.20	1.20	1.40	12	4.5
0.50	16/0.21	1.10	37.10	0.22	1.40	1.60	14	6.0
0.75	24/0.21	1.30	24.70	0.24	1.70	1.90	20	8.8
1.00	32/0.21	1.50	18.50	0.24	1.90	2.10	24	11.3
1.50	30/0.26	1.80	12.70	0.24	2.20	2.40	30	16.0
2.50	50/0.26	2.20	7.60	0.28	2.70	3.00	42	26.0
4.00	56/0.31	2.80	4.71	0.32	3.40	3.70	58	41.3
6.00	84/0.31	3.40	3.14	0.32	4.00	4.30	75	60.0
10.00	80/0.41	4.50	1.82	0.48	5.30	6.00	108	106
16.00	126/0.41	5.80	1.16	0.52	6.40	7.20	143	166
25.00	196/0.41	7.20	0.743	0.52	7.90	8.70	189	252
35.00	276/0.41	8.50	0.527	0.64	9.40	10.40	233	355
50.00	396/0.41	10.50	0.368	0.71	11.00	12.20	289	502

- SIPL also manufacture Thick and Ultra thin wall type of automotive cable with symmetrical & asymmetrical conductor construction.
- \* At 40°C ambient temperature.
- SIPL also manufacture up to 120 sqmm size of cable.

# AUTOMOTIVE CABLES (Type - AV)

Swarn is specialized in manufacturing of PVC insulated Low Voltage Auto Vinyl (AV) Battery cables. These cable offer good electrical, mechanical and chemical properties during operation. These cables are operate under extreme various weather condition and also offer very high flexibility.

## TECHNICAL DATA

- **Cable Type** : AV (Auto Vinyl)
- **Reference Specification** : JIS C 3406:1993
- **Conductor Material** : Soft Annealed Electrolytic Copper(Cu Purity > 99.97 %, Conductivity > 101%)
- **Insulation Material** : HR PVC Lead Free
- **Voltage Rating** : 60 V DC
- **Temperature Range** : -40°C to +80°C
- **Special properties** : Heat ageing at 120 hrs.
- **Cable Range** : 0.50 to 50.00 mm<sup>2</sup>
- **Product Safety** : RoHS & REACH compliance



0.50 SQMM AV Cable  
50.00 SQMM AV Cable

## APPLICATION:

- AV cable offer high heat resistance up to 80° continuous application.
- Low voltage AV cables are widely used in battery cable application.

## PACKING:

- In coil or bobbin form

## COLOR:

- Cables are available in various single & dual stripe color as per customer requirement.

Conductor				Insulated Cable				
Cross section area	No./Strand Diameter (Max.)	Bunch Diameter (Max.)	Resistance @ 20°C (Max.)	Insulation Thickness (Min)	Overall Diameter		Current Carrying Capacity*	Weight Approx.
mm <sup>2</sup>	mm	mm	Ω/km	mm	mm (std)	mm (max)	Amp	kg/km
0.50	7/0.32	1.00	32.70	0.60	2.20	2.40	17	9.4
0.85	11/0.32	1.20	20.80	0.60	2.40	2.60	23	12.6
1.25	16/0.32	1.50	14.30	0.60	2.70	2.90	29	16.2
2.00	26/0.32	1.90	8.81	0.60	3.10	3.40	39	25.6
3.00	41/0.32	2.40	5.59	0.70	3.80	4.10	52	38.8
5.0	65/0.32	3.00	3.52	0.80	4.60	4.90	69	59.3
8.00	50/0.45	3.70	2.32	0.90	5.50	5.80	90	88.4
10.00	63/0.45	4.50	1.84	1.00	6.50	6.90	105	118
15.00	84/0.45	4.80	1.38	1.10	7.00	7.40	125	148
20.00	247/0.32	6.50	0.946	1.10	8.20	8.80	157	218
30.00	361/0.32	7.80	0.647	1.40	10.60	11.30	198	330
40.00	494/0.32	9.10	0.473	1.40	11.40	12.10	238	423
50.00	608/0.32	10.10	0.384	1.60	13.00	13.80	269	---

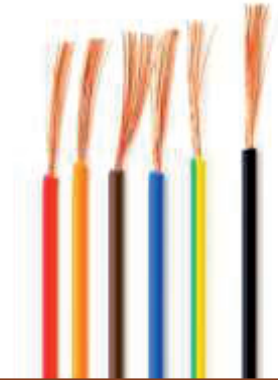
\* At 40°C ambient temperature.

# AUTOMOTIVE CABLES (Type - AV)

Swarn is specialized in manufacturing of PVC insulated Low Voltage Slim Auto Vinyl (AVS) Battery cable. These cable offer high electrical, mechanical and chemical properties during operation. These cables are operate under extreme various weather condition and also offer very high flexibility.

## TECHNICAL DATA

- **Cable Type** : AVS (Auto Vinyl Slim)
- **Reference Specification** : JASO D 611:2014
- **Conductor Material** : Soft Annealed Electrolytic Copper(Cu Purity > 99.97 %, Conductivity > 101%)
- **Insulation Material** : Plasticized PVC (Lead Free)
- **Voltage Rating** : 60 V DC
- **Temperature Range** : -40°C to +80°C
- **Special properties** : Heat ageing at 120 hrs.
- **Cable Range** : 0.30 to 8.00 mm<sup>2</sup>
- **Product Safety** : RoHS & REACH compliance



0.50 SQMM AVS Cable

## APPLICATION:

- AVS Cable are widely used in automobile wiring harnesses with continuous heat application @80°C.

## PACKING:

- In coil or bobbin form

## COLOR:

- Cables are available in various single & dual stripe color as per customer requirement.

Conductor				Insulated Cable				
Cross section area	No./Strand Diameter (Max.)	Bunch Diameter (Max.)	Resistance @ 20°C (Max.)	Insulation Thickness (Min)	Overall Diameter		Current Carrying Capacity*	Weight Approx.
mm <sup>2</sup>	mm	mm	Ω/km	mm	mm (std)	mm (max)	Amp	kg/km
0.30	7/0.26	0.80	50.20	0.50	1.80	1.90	13	---
0.50	7/0.32	1.00	32.70	0.50	2.00	2.10	17	8
0.85	11/0.32	1.20	20.80	0.50	2.20	2.30	22	11
1.25	16/0.32	1.50	14.30	0.50	2.50	2.60	28	16
2.00	26/0.32	1.90	8.81	0.50	2.90	3.10	38	24
3.00	41/0.32	2.40	5.59	0.60	3.60	3.80	51	37
5.00	65/0.32	3.00	3.52	0.70	4.40	4.60	69	57
8.00	50/0.45	3.70	2.32	0.80	5.30	5.60	90	88

\* At 40°C ambient temperature.

# AUTOMOTIVE CABLES (Type - AVSS)

Svarn is specialized in manufacturing of PVC insulated Super Slim Auto Vinyl (AVSS) cable. These cable offer good electrical, mechanical and chemical properties during operation. These cables are operate under extreme various weather condition and also offer very high flexibility.

## TECHNICAL DATA

- **Cable Type** : AVSS (Auto Vinyl Super Slim)
- **Reference Specification** : JASO D 611:2014
- **Conductor Material** : Soft Annealed Electrolytic Copper(Cu Purity > 99.97 %; Conductivity - >101%)
- **Insulation Material** : HR PVC (Lead Free)
- **Voltage Rating** : 60 V DC
- **Temperature Range** : -40°C to +80°C
- **Special properties** : Heat ageing at 120 hrs.
- **Cable Range** : 0.30 to 2.00 mm<sup>2</sup>
- **Product Safety** : RoHS & REACH compliance

## APPLICATION:

- AVSS Cable are widely used in all automobile wiring harnesses with continuous heat application @80°C

## PACKING:

- In coil or bobbin form

## COLOR:

- Cables are available in various single & dual stripe color as per customer requirement.



0.50 SQMM AVSS Cable

Conductor				Insulated Cable				
Cross section area	No./Strand Diameter (Max.)	Bunch Diameter (Max.)	Resistance @ 20°C (Max.)	Insulation Thickness (Min)	Overall Diameter		Current Carrying Capacity*	Weight Approx.
mm <sup>2</sup>	mm	mm	Ω/km	mm	mm (std)	mm (max)	Amp	kg/km
0.30	7/0.26	0.80	50.20	0.30	1.40	1.50	12.00	4.5
0.50	7/0.32	1.00	32.70	0.30	1.60	1.70	16.00	6.1
0.85	19/0.24	1.20	21.70	0.30	1.80	1.90	20.00	8.9
0.85	7/0.40	1.10	20.80	0.30	1.80	1.90	21.00	8.9
1.25	19/0.29	1.50	14.90	0.30	2.10	2.20	26.00	13.4
2.00	19/0.37	1.90	9.00	0.40	2.70	2.80	37.00	23.3
0.30f	19/0.16	0.80	48.80	0.30	1.40	1.50	12.00	---
0.50f	19/0.19	1.00	34.60	0.30	1.60	1.70	15.00	---
0.75f	19/0.23	1.20	23.60	0.30	1.80	1.90	20.00	---
1.25f	37/0.21	1.50	14.60	0.30	2.10	2.20	27.00	---
2.00f	37/0.26	1.80	9.50	0.40	2.60	2.70	36.00	---

\* At 40°C ambient temperature.



**Hariom** TECHNO CABLES  
MANUFACTURER OF WIRES & CABLES

---

## Contact Us :

☎ +91 - 79846 29787 / 84690 29126 / 93764 90496

✉ Email ID : [hariomtechnocables@gmail.com](mailto:hariomtechnocables@gmail.com)

Shed No. C1-172,3rd Phase, GIDC, Umbergaon, Dist. Valsad (Gujarat) - 396 171, India.