



AUTOMOTIVE CABLE

***FLY
FLYK
FLRY-A
FLRY-B***

Cable generally conforming to International and National Standards ie., AVS, AVSS, IS 2465, JIS 3406 Standards also available on request.

SBEE AUTOMOTIVE CABLE FLY PVC INSULATED

SBEE FLY 1.5 sq.mm Automotive 1100V



TECHNICAL DATA

- Generally confirms ISO 6722 standards
- Conductor Bunching: Short lay, Class 5 as per ISO 6722
- HV Test Voltage: 2.5 kV .
- Specific Insulation Resistance: >20G Ω x cm
- Rated Voltage: 1100V
- Temperature Range: Fixed Installation -40°C to +105°C (3000 hrs)

APPLICATIONS

- Automotive harness wiring
- Battery cable application

PRODUCT MAKEUP

- Strands of Electrolytic Grade, Oxygen free Bare Copper wire Class V (Class 2 & Class 6 on request)
- PVC lead free based Core Insulation
- Labelled with coloured stripes (optional)

PRODUCT FEATURES

- Heat retardant upto 105°C
- Cold resistant upto -40°C
- Oil resistant

* Energy efficient product optional and available on request. * Anti-rodent & anti-termite properties optional on request.

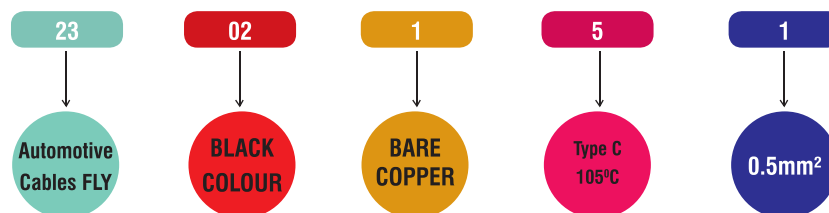
Nominal Cross Section	CONDUCTOR CONSTRUCTION				INSULATION Wall thickness	CABLE		Weight Approx. kg/km
	No. of strands	Diam. of single wire max.	Diam. of conductor max.	Electrical resistance at 20 °C max.		OUTER DIAMETER		
						Max.	Limit Tolerance	
mm2		mm	mm	mΩ/m	mm	mm		
0.50	16.00	0.21	1.00	37.10	0.60	2.30	-0.3	9.00
0.75	24.00	0.21	1.20	24.70	0.60	2.50	-0.3	12.00
1.00	32.00	0.21	1.35	18.50	0.60	2.70	-0.3	15.00
1.25	16.00	0.33	1.70	14.90	0.60	2.95	-0.55	15.00
1.50	30.00	0.26	1.70	12.70	0.60	3.00	-0.3	20.00
2.00	28.00	0.31	2.00	9.42	0.60	3.30	-0.3	26.00
2.50	50.00	0.26	2.20	7.60	0.70	3.60	-0.3	32.00
3.00	60.00	0.26	2.40	6.15	0.70	4.10	-0.3	38.00
4.00	56.00	0.31	2.75	4.71	0.80	4.40	-0.4	49.00
5.00	65.00	0.33	3.10	3.94	0.80	4.90	-0.4	60.00
6.00	84.00	0.31	3.30	3.14	0.80	5.00	-0.4	69.00
8.00	50.00	0.46	4.30	2.38	0.80	5.90	-0.9	90.00
10.00	80.00	0.41	4.50	1.82	1.00	6.50	-0.5	113.00
12.00	96.00	0.41	5.40	1.52	1.00	7.40	-0.8	144.00
16.00	126.00	0.41	6.30	1.16	1.00	8.30	-0.6	181.00
20.00	152.00	0.41	6.90	0.96	1.10	9.10	-1.0	221.00
25.00	196.00	0.41	7.80	0.74	1.30	10.40	-0.7	288.00
30.00	224.00	0.41	8.30	0.65	1.30	10.90	-1.2	325.00
35.00	276.00	0.41	9.00	0.53	1.30	11.60	-0.6	361.00
40.00	308.00	0.41	9.60	0.47	1.40	12.40	-1.2	438.00
50.00	396.00	0.41	10.50	0.37	1.50	13.50	-2.0	521.00
60.00	296.00	0.51	11.60	0.32	1.50	14.60	-1.2	644.00
70.00	360.00	0.51	12.50	0.26	1.50	15.50	-2.0	716.00
95.00	475.00	0.51	14.80	0.20	1.60	18.00	-2.0	918.00
120.00	608.00	0.51	16.50	0.15	1.60	19.70	-2.0	1220.00

* Nominal value, tolerance of number of strands ≥ 6.0 mm² are permitted (± 5%).

* Any other size on request.

* Cable generally confirming to International and National Standards ie., AVS, AVSS, IS 2465, JIS 3406 Standards also available on request.

Example to find out Part Number, for SBEE AUTOMOTIVE CABLE FLY of 0.5mm² Black



Cross Section from 0.5mm² to 6mm² 90 mtr or 100 mtrs in paper corrugated boxes or PE bags. Cross Section from 0.5mm² to 6mm² 270 mtrs or 500 mtrs in DIN 250 spools. Cross Sections from 10mm² & above in rings or spools depends on order length.

Colour RAL shade. Black-RAL 9005, Blue-RAL 5015, Brown-RAL 8024, Red-RAL 3000, White-RAL 9003, Grey-RAL 7001, Pink-RAL 3015, Beige-RAL 1001, Yellow-RAL 1021, Green-RAL 6018, Orange,-RAL2003 & Yellow/Green-RAL 1021/6018 (up to 50mm²). Refer table 3

SBEE AUTOMOTIVE CABLE FLYK PVC INSULATED

SBEE FLYK 1.5 sq.mm Automotive 1100V



TECHNICAL DATA

Generally confirms to ISO 6722 standards	Specific Insulation Resistance: >20G Ω x cm
Conductor Bunching: Short lay, Class 5 as per ISO 6722	Rated Voltage: 1100V
HV Test Voltage: 2.5 kV	Temperature Range: Fixed Installation -50°C to +105°C (3000 hrs)

APPLICATIONS	PRODUCT MAKEUP	PRODUCT FEATURES
<ul style="list-style-type: none"> Automotive harness wiring Battery cable application 	<ul style="list-style-type: none"> Strands of Electrolytic Grade, Oxygen free Bare Copper wire Class V (Class 2 & Class 6 on request) acc to ISO 6722 Soft PVC based Core Insulation Labelled with coloured stripes (optional) 	<ul style="list-style-type: none"> Heat retardant upto 105°C Cold resistant upto -40°C Oil resistant

* Energy efficient product optional and available on request. * Anti-rodent & anti-termite properties optional on request.

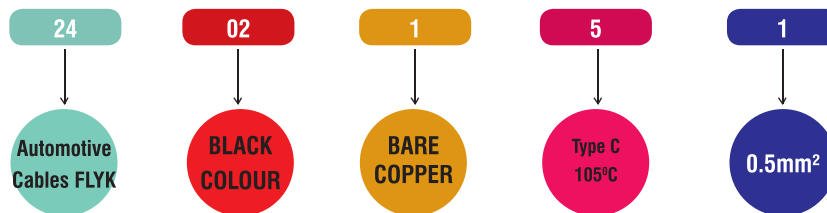
Nominal Cross Section	CONDUCTOR CONSTRUCTION				INSULATION Wall thickness	CABLE		Weight Approx.
	No. of strands	Diam. of single wire max.	Diam. of conductor max.	Electrical resistance at 20 °C max.		Outer Diamter		
						Max.	Limit Tolerance	
mm ²		mm	mm	mΩ/m	mm	mm	kg/km	
0.50	28.00	0.16	1.10	37.70	0.60	2.30	-0.3	9.00
0.75	42.00	0.16	1.30	25.10	0.60	2.50	-0.3	12.00
1.00	57.00	0.16	1.50	18.80	0.60	2.70	-0.3	15.00
1.50	84.00	0.16	1.80	12.70	0.60	3.00	-0.3	20.00
2.50	140.00	0.16	2.30	7.54	0.70	3.90	-0.4	32.00
4.00	1015.00	0.08	3.30	4.71	0.80	4.90	-0.4	53.00
6.00	1548.00	0.08	4.20	3.14	0.80	5.90	-0.4	76.00
10.00	2510.00	0.08	5.20	1.85	1.00	7.30	-0.6	124.00
16.00	4033.00	0.08	6.70	1.16	1.00	8.80	-0.6	198.00
25.00	3169.00	0.11	8.00	0.74	1.20	10.50	-0.6	298.00

* Nominal value, tolerance of number of strands ≥ 6.0 mm² are permitted (± 5%).

* Any other size on request.

* Cable generally confirming to International and National Standards ie., AVS, AVSS, IS 2465, JIS 3406 Standards also available on request.

Example to find out Part Number, for SBEE AUTOMOTIVE CABLE FLYK of 0.5mm² Black



Cross Section from 0.5mm² to 6mm² 90 mtr or 100 mtrs in paper corrugated boxes or PE bags. Cross Section from 0.5mm² to 6mm² 270 mtrs or 500 mtrs in DIN 250 spools. Cross Sections from 10mm² & above in rings or spools depends on order length.

Colour RAL shade. Black-RAL 9005, Blue-RAL 5015, Brown-RAL 8024, Red-RAL 3000, White-RAL 9003, Grey-RAL 7001, Pink-RAL 3015, Beige-RAL 1001, Yellow-RAL 1021, Green-RAL 6018, Orange-RAL2003 & Yellow/Green-RAL 1021/6018 (up to 50mm²). Refer table 3

SBEE AUTOMOTIVE CABLE FLRY PVC INSULATED



TECHNICAL DATA

- Generally confirms to ISO 6722 standards
- Conductor Bunching: Short lay, Class 5 as per ISO 6722
- HV Test Voltage: 2.5 kV .
- Specific Insulation Resistance:>20G Ω x cm
- Rated Voltage: 1100V
- Temperature Range: Fixed Installation -40°C to +105°C (3000 hrs)

- | APPLICATIONS | PRODUCT MAKEUP | PRODUCT FEATURES |
|--|--|---|
| <ul style="list-style-type: none"> Automotive harness wiring Battery cable application | <ul style="list-style-type: none"> Strands of Electrolytic Grade, Oxygen free Bare Copper wire Class V (Class 2 & Class 6 on request) acc to ISO 6722 Soft PVC based Core Insulation Labelled with coloured stripes (FLRY-type A&B) | <ul style="list-style-type: none"> Heat retardant upto 105°C Cold resistant upto -40°C Oil resistant |

* Energy efficient product optional and available on request. * Anti-rodent & anti-termite properties optional on request.

Nominal Cross Section	CONDUCTOR CONSTRUCTION				INSULATION Wall thickness	CABLE		Weight Approx.
	No. of strands	Diam. of single wire max.	Diam. of conductor max.	Electrical resistance at 20 °C max.		Outer Diamter		
						Max.	Limit Tolerance	
FLRY – Type A								
0.22	7.00	0.21	0.70	84.8 / 86.5	0.20	1.20	-0.1	3.00
0.36	7.00	0.26	0.80	54.4 / 55.56	0.20	1.30	-0.1	5.00
0.50	19.00	0.19	1.00	37.1 / 38.2	0.22	1.60	-0.2	7.00
0.75	19.00	0.23	1.20	24.7 / 25.4	0.24	1.90	-0.2	9.00
1.00	19.00	0.26	1.35	18.5 / 19.1	0.24	2.10	-0.2	11.00
1.25	19.00	0.30	1.70	14.9 / 15.9	0.24	2.30	-0.20	15.00
1.50	19.00	0.32	1.70	12.7 / 13.0	0.24	2.40	-0.2	16.00
2.00	19.00	0.38	2.00	9.42 / 9.69	0.28	2.80	-0.3	22.00
2.50	19.00	0.41	2.20	7.6 / 7.82	0.28	3.00	-0.3	26.00
FLRY – Type B								
0.35	12.00	0.21	0.90	54.4 / 55.5	0.20	1.40	-0.2	5.00
0.50	16.00	0.21	1.00	37.1 / 38.2	0.22	1.60	-0.2	7.00
0.75	24.00	0.21	1.20	24.7 / 25.4	0.24	1.90	-0.2	9.00
1.00	32.00	0.21	1.35	18.5 / 19.1	0.24	2.10	-0.2	11.00
1.25	16.00	0.33	1.70	14.9 / 15.9	0.24	2.30	-0.20	14.00
1.50	30.00	0.26	1.70	12.7 / 13.0	0.24	2.40	-0.2	16.00
2.00	28.00	0.31	2.00	9.42 / 9.69	0.28	2.80	-0.3	23.00
2.50	50.00	0.26	2.20	7.6 / 7.8	0.28	3.00	-0.3	26.00
3.00	45.00	0.31	2.40	6.15 / 6.36	0.32	3.40	-0.3	34.00
4.00	56.00	0.31	2.75	4.71 / 4.85	0.32	3.70	-0.3	42.00
5.00	65.00	0.33	3.10	3.94 / 4.02	0.32	4.20	-0.30	52.00
6.00	84.00	0.31	3.30	3.14 / 3.23	0.32	4.30	-0.3	61.00
8.00	50.00	0.46	4.30	2.38 / 2.52	0.32	5.00	-0.40	87.00
10.00	80.00	0.41	4.50	1.82 / 1.85	0.48	5.80	-0.4	108.00
12.00	96.00	0.41	5.40	1.52 / 1.6	0.48	6.50	-0.70	122.00
16.00	126.00	0.41	5.50	1.16 / 1.18	0.52	7.00	-0.5	170.00
20.00	152.00	0.41	6.90	0.955 / 0.999	0.52	7.80	-0.80	194.00
25.00	196.00	0.41	7.00	0.743 / 0.757	0.52	8.70	-0.8	265.00

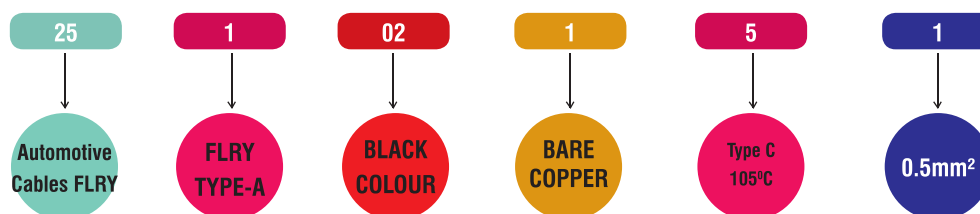
* Nominal value, tolerance of number of strands ≥ 6.0 mm² are permitted (±5%)

** This cross-section with tinned stranded conductor is suitable for use w displacement connectors.

*** Also available with resistance values 52.0 / 53.1 mΩ/m bare / tinned.

* Cable generally confirming to International and National Standards ie., AVS, AVSS, IS 2465, JIS 3406 Standards also available on request.

Example to find out Part Number, for SBEE AUTOMOTIVE CABLE FLRY -Type-A of 0.5mm² Black



Cross Section from 0.5mm² to 6mm² 90 mtr or 100 mtrs in paper corrugated boxes or PE bags. Cross Section from 0.5mm² to 6mm² 270 mtrs or 500 mtrs in DIN 250 spools. Cross Sections from 10mm² & above in rings or spools depends on order length.

Colour RAL shade. Black-RAL 9005, Blue-RAL 5015, Brown-RAL 8024, Red-RAL 3000, White-RAL 9003, Grey-RAL 7001, Pink-RAL 3015, Beige-RAL 1001, Yellow-RAL 1021, Green-RAL 6018, Orange,-RAL2003 & Yellow/Green-RAL 1021/6018 (up to 50mm²). Refer table 3