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PRODUCT CATALOGUE 2022

# Auto & Battery Cables

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# Auto & Battery Cables - IS:2465

## Applications

These cables are used as original equipments for wiring automobiles and in the auto harnesses. We also manufacture the Battery cable harnesses soldered/crimped for ready use by automobile manufacture.

Single core PVC Insulated Auto Cables as per IS: 2465/1984				
Conductor Nominal Area	No.of Wire	Radial Thickness of Insulation(Nom.)	Overall Diameter (approx)	Cables Parameters Current "Amp"
sq.mm	mm	mm	mm	mm
0.50	7/0.30	0.60	2.15	4
0.75	11/0.30	0.60	2.45	7
1.00	15/0.30	0.70	2.70	11
1.50	22/0.30	0.70	3.00	14
2.50	36/0.30	0.70	3.65	19
4.00	56/0.30	0.80	4.30	26
6.00	84/0.30	0.80	5.20	31
10.0	140/0.30	1.00	6.60	42

## Features

Manufactured from bright annealed 99.97% pure bare conductors, which offer low conductor resistance. These insulated with a special grade PVC compound formulate manufactured in-house which is impervious to water, oil and acids etc.

PVC Insulated Battery Cables as per IS : 2465/1984				
Conductor Nominal Area	No.of Wire	Radial Thickness of Insulation(Nom.)	Overall Diameter (approx)	Cables Parameters Current "Amp"
mm	mm	mm	mm	mm
16	126/0.40	1.00	7.80	57
25	196/0.40	1.20	9.70	71
35	276/0.40	1.20	10.9	91
50	396/0.40	1.40	13.2	120
70	360/0.50	1.40	15.3	165
95	475/0.50	1.60	17.9	200
120	608/0.50	1.60	19.4	225
150	750/0.50	1.80	21.9	250
185	925/0.50	2.00	24.5	300
240	1221/0.50	2.20	28.0	425

# Auto & Battery Cables

## DIN CABLES – FLY-B

### Applications

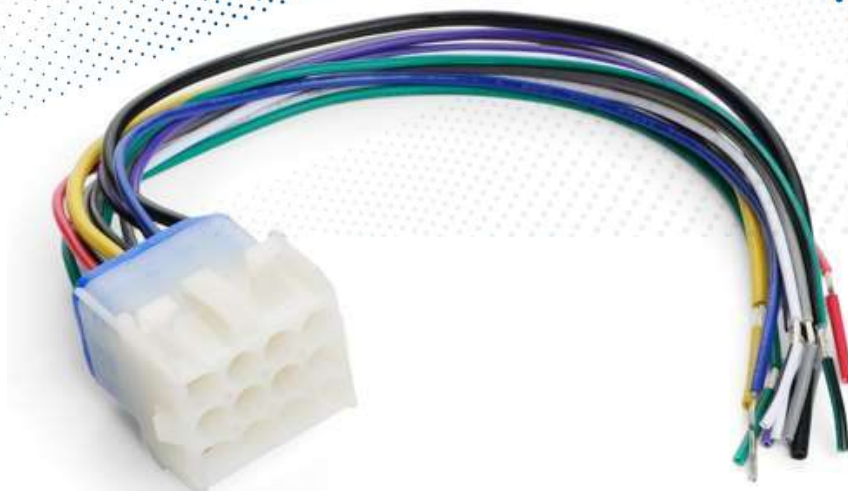
These wires used low voltage circuit in automobiles such as Vehicles and Motor cycles.

### Features

These wires are concentric bunched copper conductor, Excellent Flexibility, ROHS compliance etc.

Specification Standard: DIN 72551 / 1996 FLY-B

Size	Conductor Strands	Conductor Diameter	Conductor Resistance 20 °C(Max)	Insulation Thickness (Min)	Overall Diameter (Standard)
mm <sup>2</sup>	No/mm	mm	Ohm/Km	mm	mm
0.35	12/0.21	0.90	52.0	0.20	1.40
0.50	16/0.21	1.00	37.10	0.22	1.60
0.75	24/0.21	1.20	24.7	0.24	1.90
1.00	32/0.21	1.35	18.5	0.24	2.10
1.50	30/0.26	1.70	12.7	0.24	2.40
2.50	50/0.26	2.20	7.6	0.28	3.00
4.00	56/0.31	2.75	4.7	0.32	3.70
6.00	84/0.31	3.30	3.10	0.32	4.30
10.0	80/0.41	4.55	1.82	0.60	6.00
15.0	182/0.32	-	1.30	0.80	7.40
15.0	126/0.41	-	1.16	0.80	7.70
15.0	248/0.32	-	0.887	1.10	8.80



# Low Voltage Automobile Wires – AV

( A=Low Voltage Automobile wire, V=Vinyl)

## Applications :

These wires used low voltage circuit in automobiles such a Vehicles and Motor cycles.

## Features

As a Lighting, Signals, starting, charging etc. Where the high flexibility, Thermal and mechanical strength required.

Specification Standard: JIS C3406

Size	Conductor Strands	Conductor Diameter	Conductor Resistance 20°C(Max)	Insulation Thickness (Min)	Overall Diameter (Standard)	Current Limit
mm <sup>2</sup>	No/mm	mm	Ohm/Km	mm	mm	Amps
0.35	7/0.32	1.0	32.7	0.6	2.2	12
0.85	11/0.32	1.2	20.8	0.6	2.4	16
1.25	16/0.32	1.5	14.3	0.6	2.7	21
2.00	26/0.32	1.9	8.81	0.6	3.1	28
3.00	41/0.32	2.4	5.59	0.7	3.8	38
5.00	65/0.32	3.0	3.52	0.8	4.6	51
8.00	50/0.45	3.7	2.32	0.9	5.5	66
0.5f	20/0.18	1.0	36.7	0.6	2.2	12
0.75f	30/0.18	1.2	24.4	0.6	2.4	15
1.25f	50/0.41	1.5	14.7	0.6	2.7	21
2f	37/0.26	1.8	9.50	0.6	3.0	28
3f	61/0.26	2.4	5.76	0.7	3.8	38

The “f” in the nominal size column indicates a flexible conductor with a finer wire diameter.

The current limit data is for conductor temperature of 80°C (maximum allowable temperature) and an ambient temperature of 40°C



# Thin Low-Voltage Automobile Wires-AVS

(A=Low-Voltage Automobile wire,V=Vinyl S=Thin)

## Applications :

These wires used low voltage circuit in automobiles such a Vehicles and Motor cycles.

## Features

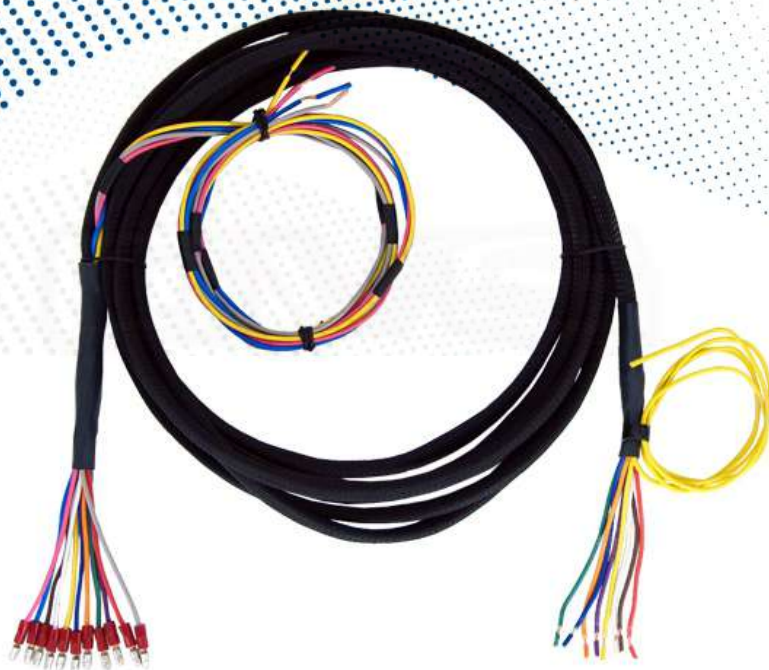
These wires constructed thinner than AV wires, for light weight and smaller space.

Specification Standard: JASO D611-94

Size	Conductor Strands	Conductor Diameter	Conductor Resistance 20°C(Max)	Insulation Thickness (Min)	Overall Diameter (Standard)	Current Limit
mm <sup>2</sup>	No/mm	mm	Ohm/Km	mm	mm	Amps
0.3f	15/0.18	0.8	48.9	0.5	1.8	9
0.3	7/0.26	0.8	50.2	0.5	1.8	9
0.5	7/0.32	1.0	32.7	0.5	2.0	12
0.85	11/0.32	1.2	20.8	0.5	2.2	16
1.25	16/0.32	1.5	14.3	0.5	2.5	20
2	26/0.32	1.9	8.81	0.5	2.9	27
3	41/0.32	2.4	5.59	0.6	3.6	37
5	65/0.32	3.0	3.52	0.7	4.4	50

The "f" in the nominal size column indicates a flexible conductor with a finer wire diameter.

The current limit data is for conductor temperature of 80°C (maximum allowable temperature) and an ambient temperature of 40°C



# Super Thin Low-Voltage Wires for Automobile-AVSS,(Thin type-2).

(A=Low-Voltage Automobile wire, V=Vinyl SS=Super Thin)

## Applications :

These wires used low voltage circuit in automobiles such a Vehicles and Motor cycles.

## Features

These wires constructed still thinner than type AVS wires, for light weight and smaller diameter.

Specification Standard: JASO D611-94

Size	Conductor Strands	Conductor Diameter	Conductor Resistance 20°C(Max)	Insulation Thickness (Min)	Overall Diameter (Standard)	Current Limit
mm <sup>2</sup>	No/mm	mm	Ohm/Km	mm	mm	Amps
0.3	7/0.26	0.8	50.2	0.3	1.4	8
0.5	7/0.32	1.0	32.7	0.3	1.6	11
0.85	19/0.24	1.2	21.7	0.3	1.8	14
1.25	19/0.29	1.5	14.9	0.3	2.1	19
2.00	19/0.37	1.8	9.00	0.4	2.7	26
2f	37/0.26	1.8	9.50	0.4	2.7	26

The "f" in the nominal size column indicates a flexible conductor with a finer wire diameter.

The current limit data is for conductor temperature of 80°C (maximum allowable temperature) and an ambient temperature of 40°C