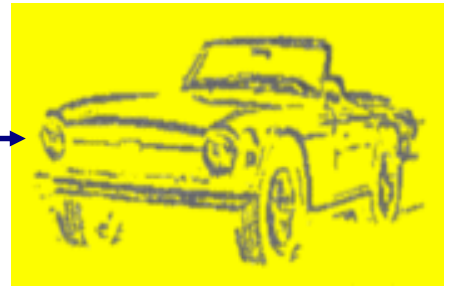




AUTOMOTIVE WIRES



DESCRIPTION

These are PVC Insulated Single Core Thin-Wall type Low Voltage and Light Weight Auto Wires conforming to International DIN, JIS & JASO Standards. The BEOL Range of Cables includes FLRY-B; AV; AVS & AVSS types.

APPLICATION

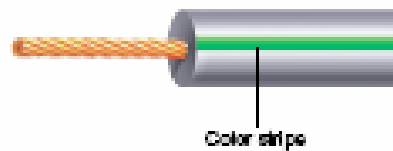
These wires are used in manufacturing of Wiring Harness for Automobile Industry where high flexibility, thermo and mechanical strength are required

FEATURES

Resistant to heat, oil, abrasion and cold. Excellent flexibility. Temperature Range up to 105°C. Available in different colors and stripes. Available in Lead free grade. Available in Coils.

CABLE CONSTRUCTION

1. Bare Annealed Bunched Copper
2. PVC Insulation
(Temperature Resistant)



*For armoured cable



WIRE SPECIFICATIONS

FLRY-B TYPE WIRES (DIN 72551 Part 5 & 6)

Nominal Cross Section	No. of Strands	Diameter of Single Wire	Diameter of Conductor	Electrical Resistance @ 20°C	Insulation Wall Thickness	Cable Outer Diameter	Cable Weight
		Max	Max		Min.		Approx.
Sq mm		mm	mm	MΩ/m		mm	Kg/Km
0.35	12	0.21	0.90	47.8 - 52.0	0.20	1.2 - 1.4	4.5
0.50	16	0.21	1.00	34.1 - 37.1	0.22	1.4 - 1.6	6.6
0.75	24	0.21	1.20	22.7 - 24.7	0.24	1.7 - 1.9	9.0
1.0	32	0.21	1.35	17.0 - 18.5	0.24	1.9 - 2.1	11.0
1.5	30	0.26	1.70	11.7 - 12.7	0.24	2.2 - 2.4	16.0
2.5	50	0.26	2.20	7.0 - 7.6	0.28	2.7 - 3.0	26.0
4.0	56	0.31	2.75	4.32 - 4.70	0.32	3.4 - 3.7	42.0
6.0	84	0.31	3.30	2.85 - 3.10	0.32	4.0 - 4.3	61.0
10.0	80	0.41	4.40	1.82 (Max)	0.48	5.5 - 6.0	109.0
16.0	126	0.41	5.50	1.16 (Max)	0.48	7.0 - 7.5	178.0

AVSS TYPE WIRES (JASO D 611)

Nominal Cross Section	No. of Strands	Diameter of Single Wire	Diameter of Conductor	Electrical Resistance @ 20°C	Insulation Wall Thickness	Cable Outer Diameter	Cable Weight
		Max	Max	Max.	Min.	Max.	Approx.
Sq mm		mm	Mm	MΩ/m		Mm	Kg/Km
0.35	7	0.26	0.8	50.2	0.24	1.5	4.8
0.50	7	0.32	1.0	32.7	0.24	1.7	6.9
0.5f	19	0.19	1.0	34.6	0.24	1.7	6.7
0.75	7	0.39	1.8	22.3	0.24	1.8	9.4
0.75f	19	0.23	1.2	23.6	0.24	1.9	9.2
0.85	7	0.40	1.1	20.8	0.24	1.9	10.0
1.25	19	0.29	1.5	14.9	0.24	2.2	13.9
2.00	19	0.37	1.9	9.0	0.32	2.8	23.0
2.00 f	37	0.26	1.8	9.5	0.32	2.7	21.6

AVS TYPE WIRES (JASO D 611)

Nominal Cross Section	No. of Strands	Diameter of Single Wire	Diameter of Conductor	Electrical Resistance @ 20°C	Insulation Wall Thickness	Cable Outer Diameter	Cable Weight
		Max	Max	Max.	Min.	Max.	Approx.
Sq mm		Mm	Mm	MΩ/m		Mm	Kg/Km
0.5	7	0.32	1.0	32.7	0.32	2.1	8.1
1.25	16	0.32	1.5	14.3	0.32	2.6	15.2
1.25f	50	0.18	1.5	14.7	0.32	2.6	14.9
2.00	26	0.32	1.9	8.81	0.32	3.1	23.3
3.00	41	0.32	2.4	5.59	0.40	3.8	37.6
5.00	65	0.32	3.0	3.52	0.48	4.6	58.6

AV TYPE WIRES (JIS C 3406)

Nominal Cross Section	No. of Strands	Diameter of Single Wire	Diameter of Conductor	Electrical Resistance @ 20°C	Insulation Wall Thickness	Cable Outer Diameter	Cable Weight
		Max	Max	Max.	Min.	Max.	Approx.
Sq mm		mm	mm	MΩ/m		Mm	Kg/Km
0.5f	20	0.18	1.0	36.7	0.48	2.4	8.7
0.75f	30	0.18	1.20	24.4	0.48	2.6	11.0
0.85	11	0.32	1.20	20.8	0.48	2.6	12.0
2.00	26	0.32	1.90	8.81	0.48	3.4	24.9
3.00	41	0.32	2.40	5.59	0.56	4.1	39.6
5.00	65	0.32	3.00	3.52	0.64	4.9	60.0
8.00	50	0.45	3.70	2.32	0.72	5.8	89.5
10.0	65	0.45	4.25	1.80	0.80	6.5	115.7

