

Low-Voltage Cables for Automobiles

A : Low-voltage cables for automobile, **V** : Vinyl, **f** : in nominal sectional area are indicates flexible

- ▶ **Standard** : JIS C 3102 (Annealing Copper Wire), JIS C 3406 (Dimension & Characteristics), JIS C 3005 (Test Methodes)
- ▶ **Rating** : 80 °C
- ▶ **Application** : This PVC insulated single core cable is use for low voltage circuits in automobiles, and motorcycles

Construction and Performance :



MARKING :

EWINDO AV xxx LF

EWINDO AV xxxf LF

(xxx = size)

Conductor					Insulation			Length/coil
Nominal Sectional Area	No. Of Component / Dia. of Component Wires	Calculated Sectional Area	Outside Diameter Approx	Maximum Conductor Resistance (20°C)	Thickness	Outside Diameter		
						Standard	Maximum	
(mm²)	(mm)	(mm²)	(mm)	(Ω/m)	(mm)	(mm)	(mm)	(m)
* 0.3	7/0.26 A	0.3716	0.8	0.0502	0.5	1.8	2.0	1000
* 0.3f	15/0.18 A	0.3821	0.8	0.0489	0.5	1.8	2.0	1000
0.5	7/0.32 A	0.5629	1.0	0.0327	0.6	2.2	2.4	1000
0.5f	20/0.18 A	0.5087	1.0	0.0367	0.6	2.2	2.4	1000
0.75f	30/0.18 A	0.7630	1.2	0.0244	0.6	2.4	2.6	1000
0.85	11/0.32 A	0.8846	1.2	0.0208	0.6	2.4	2.4	500
* 0.85f	33/0.18 A	0.8397	1.2	0.0217	0.6	2.4	2.6	500
1.25	16/0.32 A	1.287	1.5	0.0143	0.6	2.7	2.9	500
* 1.25f	50/0.18 A	1.273	1.5	0.0147	0.6	2.7	2.9	500
* 1.5f	48/0.20 A	1.508	1.6	0.0120	0.7	3.0	3.3	500
2	26/0.32 A	2.091	1.9	0.00881	0.6	3.1	3.4	400
* 2f	37/0.26 A	1.964	1.8	0.00950	0.6	3.1	3.4	400
3	41/0.32 A	3.297	2.4	0.00559	0.7	3.8	4.1	200
* 3f	58/0.26 A	3.079	2.4	0.00606	0.7	3.7	4.0	200
5	65/0.32 A	5.228	3.0	0.00352	0.8	4.6	4.9	200
* 5f	7 x 9/0.32 A	5.067	3.1	0.00371	0.8	4.7	5.0	200
6f	75/0.32 A	6.032	3.5	0.0030	0.8	5.0	5.25	100
8	50/0.45 A	7.952	3.7	0.00232	0.9	5.5	5.8	100
* 8f	154/0.26 A	8.176	4.2	0.00232	0.9	6.0	6.3	100
10	63/0.45 A	10.053	4.18	0.00182	1.0	6.2	6.6	100
15	84/0.45 A	13.36	4.8	0.00138	1.1	7.0	7.4	100
20	41/0.80 A	20.61	6.0	0.000887	1.1	8.2	8.8	50
* 20f	19 x 13/0.32 A	19.86	6.5	0.000946	1.1	8.7	9.3	50
30	70/0.80 A	35.19	8.0	0.000520	1.4	10.8	11.5	50
40	85/0.80 A	42.73	8.6	0.000428	1.4	11.4	12.1	50
50	108/0.80 A	54.29	9.8	0.000337	1.6	13.0	13.8	50
60	127/0.80 A	63.84	10.4	0.000287	1.6	13.6	14.4	50
** 85	169/0.80 A	84.96	12.0	0.000215	2.0	16.0	17.0	200/bobbin
** 100	646/0.45 A	102.690	14.6	0.000168	2.0	18.6	18.9	200/bobbin

*) Standard JASO D611-14

**) Need to be discussed

A = Annealed Copper Wires