

PVC AUTOMOTIVE CABLE

JASO D611:2009

25Vac / 60Vdc
80°C



CONSTRUCTION

Conductor	Finely stranded annealed copper conductor according to JASO D611
Insulation	PVC compound
Insulation colour	Red, yellow, blue, black and green unless specified otherwise

Construction of general cables (AV)

Nominal size	Conductor			Conductor resistance (20°C)	Insulation thickness		Finished outside dia.	
	Number of strands/dia. Of strand	Calculated cross sectional area	Approximate outside dia.		Standard	Min	Standard	Max
	Pcs/mm or Pcs/Pcs/mm	mm ²	mm	mΩ/m	mm	mm	mm	mm
2f	37 / 0.26	1.964	1.80	9.50	0.60	0.48	3.00	3.40
3f	58 / 0.26	3.079	2.30	6.06	0.70	0.56	3.70	4.00
3f	61 / 0.26	3.239	2.40	5.76	0.70	0.56	3.80	4.10
5f	7 / 9 / 0.32	5.067	3.10	3.71	0.80	0.64	4.70	5.00
5f	7 / 30 / 0.18	5.344	3.40	3.56	0.80	0.64	5.00	5.30
8f	7 / 22 / 0.26	8.176	4.20	2.32	0.90	0.72	6.00	6.30
9f	7 / 16 / 0.32	9.008	4.20	2.09	1.00	0.80	6.20	6.50
10f	19 / 6 / 0.32	9.168	4.20	2.05	1.00	0.80	6.20	6.50
10	62 / 0.45	9.861	4.10	1.87	0.90	0.72	5.90	6.20
10	63 / 0.45	10.02	4.50	1.84	1.00	0.80	6.50	6.90
10	7 / 9 / 0.45	10.02	4.50	1.84	1.00	0.80	6.50	6.90
15f	19 / 9 / 0.32	13.75	5.30	1.37	1.10	0.88	7.50	8.00
20f	19 / 13 / 0.32	19.86	6.50	0.946	1.10	0.88	8.70	9.30
30f	19 / 19 / 0.32	29.03	7.80	0.647	1.40	1.12	10.60	11.30
40f	19 / 26 / 0.32	39.73	9.10	0.473	1.40	1.12	11.90	12.60
50f	19 / 32 / 0.32	48.90	10.10	0.384	1.60	1.28	13.30	14.10
60f	19 / 39 / 0.32	59.59	11.10	0.315	1.60	1.28	14.30	15.10
85f	19 / 56 / 0.32	85.57	13.10	0.220	2.00	1.60	17.10	18.10
100f	19 / 71 / 0.32	108.50	14.90	0.173	2.00	1.60	18.90	19.90

Note 1 : The symbol "f" in the "Nominal size" column means flexible conductor



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Construction of thin wall cables (AVS)

Nominal size	Conductor			Conductor resistance (20°C) mΩ/m	Insulation thickness		Finished outside dia.	
	Number of strands/dia. Of strand	Calculated cross sectional area	Approximate outside dia.		Standard	Min	Standard	Max
	Pcs/mm or Pcs/Pcs/mm	mm ²	mm		mm	mm	mm	mm
0.3	7 / 0.26	0.3716	0.80	50.20	0.50	0.32	1.80	1.90
0.3f	15 / 0.18	0.3817	0.80	48.90	0.50	0.32	1.80	1.90
0.5f	20 / 0.18	0.5087	1.00	36.70	0.50	0.32	2.00	2.10
0.5	7 / 0.32	0.5629	1.00	32.70	0.50	0.32	2.00	2.10
0.75f	30 / 0.18	0.7630	1.20	24.40	0.50	0.32	2.20	2.30
0.85	16 / 0.26	0.8494	1.20	22.00	0.50	0.32	2.20	2.30
0.85	11 / 0.32	0.8846	1.20	20.80	0.50	0.32	2.20	2.30
1.25f	50 / 0.18	1.273	1.50	14.70	0.50	0.32	2.50	2.60
1.25	16 / 0.32	1.287	1.50	14.30	0.50	0.32	2.50	2.60
2f	37 / 0.26	1.964	1.90	9.50	0.50	0.32	2.90	3.10
2	26 / 0.32	2.091	1.90	8.81	0.50	0.32	2.90	3.10
3f	58 / 0.26	3.079	2.30	6.06	0.60	0.40	3.50	3.70
3f	61 / 0.26	3.239	2.30	5.76	0.60	0.40	3.50	3.80
3	41 / 0.32	3.297	2.40	5.59	0.60	0.40	3.60	3.80
5	65 / 0.32	5.228	3.00	3.52	0.70	0.48	4.40	4.60
5f	7 / 30 / 0.18	5.344	3.40	3.56	0.70	0.48	4.80	5.10
8	50 / 0.45	7.952	3.70	2.32	0.80	0.64	5.30	5.60
8f	7 / 22 / 0.26	7.952	3.70	2.32	0.80	0.64	5.30	5.60

Construction of thin wall cables (AVSS)

Nominal size	Conductor			Conductor resistance (20°C) mΩ/m	Insulation thickness		Finished outside dia.	
	Number of strands/dia. Of strand	Calculated cross sectional area	Approximate outside dia.		Standard	Min	Standard	Max
	Pcs/mm or Pcs/Pcs/mm	mm ²	mm		mm	mm	mm	mm
0.22	7 / 0.20	0.2990	0.60	84.80	0.30	0.24	1.20	1.30
0.3	7 / 0.26	0.3716	0.80	50.20	0.30	0.24	1.40	1.50
0.3f	19 / 0.16	0.3821	0.80	48.80	0.30	0.24	1.40	1.50
0.5f	19 / 0.19	0.5387	1.00	34.60	0.30	0.24	1.60	1.70
0.5	7 / 0.32	0.5629	1.00	32.70	0.30	0.24	1.60	1.70
0.75f	19 / 0.23	0.7895	1.20	23.60	0.30	0.24	1.80	1.90
0.85	19 / 0.24	0.8596	1.20	21.70	0.30	0.24	1.80	1.90
0.85	7 / 0.40	0.8796	1.10	20.80	0.30	0.24	1.80	1.90
1.25	19 / 0.29	1.255	1.50	14.90	0.30	0.24	2.10	2.20
1.25f	37 / 0.21	1.282	1.50	14.60	0.30	0.24	2.10	2.20
2f	37 / 0.26	1.964	1.80	9.50	0.40	0.32	2.60	2.70
2	19 / 0.37	2.043	1.90	9.00	0.40	0.32	2.70	2.80

Note 1 : The symbol "f" in the "Nominal size" column means flexible conductor