

## AVX/AVFX/HEBX

A: Low-voltage cables for automobile V: Polyvinyl Chloride X: Cross-linked F: Flexible

### Application

Cross-linked vinyl insulated heat resistant low-voltage cables for automobiles. Cable used in low voltage circuits in automobiles (vehicles and motorcycles). Superior heat resistant with irradiated PVC.

### Standards/Specification

JASO D611



### Construction

- ① Conductor: Annealed stranded copper
- ② Insulation: Cross-linked Polyvinyl Chloride

### Product Features

Rated temperature: 100°C

Rated voltage: 60 VDC & 25 VAC

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### Technical Data

Nominal Size (mm <sup>2</sup> )	Conductors			Conductors Resistance		Insulation Thickness		Finished Outside Diameter	
	Construction (No./mm)	calculated area (mm <sup>2</sup> )	Outer Diameter (mm)	No Plating (Ω/km)	Plating (Ω/km)	Standard (mm)	Min. (mm)	Standard (mm)	Max. (mm)
0.5f	20/0.18	0.5087	1.0	36.7	38.6	0.50	0.32	2.0	2.2
0.5	7/0.32	0.5629	1.0	32.7	34.6	0.50	0.32	2.0	2.2
0.75f	30/0.18	0.7630	1.2	24.4	25.8	0.50	0.32	2.2	2.4
0.85	11/0.32	0.8846	1.2	20.8	22.0	0.50	0.32	2.2	2.4
1.25f	50/0.18	1.273	1.5	14.7	15.5	0.60	0.40	2.7	2.9
1.25	16/0.32	1.287	1.5	14.3	15.1	0.60	0.40	2.7	2.9
2f	37/0.26	1.964	1.8	9.50	10.1	0.60	0.40	3.0	3.3
2	26/0.32	2.091	1.9	8.81	9.30	0.60	0.40	3.1	3.4
3	41/0.32	3.297	2.4	5.59	5.90	0.70	0.48	3.8	4.1
5f	98/0.26	5.203	3.0	3.59	-	0.80	0.64	4.6	4.9
5	65/0.32	5.228	3.0	3.52	3.72	0.80	0.64	4.6	4.9
8	50/0.45	7.952	3.7	2.32	2.45	0.80	0.64	5.3	5.6
8f	7/22/0.26	8.176	4.0	2.33	2.43	0.80	0.64	5.6	5.9
9	7/16/0.32	9.008	4.2	2.09	-	1.00	0.80	6.2	6.5
10	63/0.45	10.02	4.5	1.84	-	1.00	0.80	6.5	6.9
10	7/9/0.45	10.02	4.5	-	2.03	1.00	0.80	6.5	6.9
10f	7/27/0.26	10.02	4.5	1.90	1.98	1.00	0.80	6.5	6.9
12f	7/22/0.32	12.39	5.0	1.52	-	1.00	0.80	7.0	7.4
15f	7/36/0.26	13.38	5.3	-	1.48	1.20	0.96	7.7	8.2
15f	19/9/0.32	13.75	5.3	1.37	-	1.10	0.88	7.5	8.0
20f	19/13/0.32	19.86	6.5	0.946	-	1.10	0.88	8.7	9.3
30f	19/19/0.32	29.03	7.8	0.647	-	1.40	1.12	10.6	11.3
40f	19/26/0.32	39.73	9.1	0.473	-	1.40	1.12	11.9	12.6
50f	19/32/0.32	48.90	10.1	0.384	-	1.60	1.28	13.3	14.1
60f	19/39/0.32	59.59	11.1	0.315	-	1.60	1.28	14.3	15.1
85f	19/56/0.32	85.57	13.1	0.220	-	2.00	1.60	17.1	18.1
100f	19/71/0.32	108.5	14.9	0.176	-	2.00	1.60	18.9	19.9

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