

## Japanese Standard

AV



### Technical data

- Temperature range: -40 °C to +85 °C

### Cable structure

- Conductors: bare copper
- Insulation: PVC

### Special properties

- Intermittent temperature (48h): 120 °C
- Resistant to motor fluids, fuels
- Hydrolysis resistant
- Resistant to pressure at high temperatures
- Excellent electrical characteristics

### Standard

- JIS C 3406

### Application

AV single core wire is used for the low voltage circuits of the automotive application.

NO. Cores x Cross-sec. mm <sup>2</sup>	Conductor Diameter Max. mm	Resistance at 20°C Ω/km	Outer Diameter Min. mm	Outer Diameter Max. mm	Cable Weight kg/km
1 x 0.50	1.00	32.70	2.20	2.40	10
1 x 0.85	1.20	20.80	2.60	2.60	13
1 x 1.25	1.50	14.30	2.90	2.60	17
1 x 2.00	1.90	8.81	3.40	3.40	26
1 x 3.00	2.40	5.59	4.10	4.10	40
1 x 5.00	3.00	3.50	4.90	4.90	62
1 x 8.00	3.70	2.32	5.80	5.80	92
1 x 10.0	4.50	1.84	6.90	6.90	120
1 x 15.0	4.80	1.38	7.40	7.40	160
1 x 20.0	6.10	0.89	8.30	8.80	226
1 x 30.0	8.00	0.52	10.80	11.50	384
1 x 40.0	8.60	0.43	11.40	12.10	462
1 x 50.0	9.80	0.34	13.00	13.80	583
1 x 60.0	10.40	0.29	13.60	14.40	678
1 x 85.0	12.00	0.22	16.00	17.00	924
1 x 100.0	13.60	0.17	17.60	18.60	1151
1 x 0.5f	1.00	36.70	2.40	2.40	9
1 x 0.75f	1.20	24.40	2.60	2.60	12
1 x 1.25f	1.50	14.70	2.90	2.90	18
1 x 2f	1.80	9.50	3.40	3.40	25
1 x 3f	2.40	5.76	4.10	4.10	40

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

## Japanese Standard



CAVS



### Technical data

- Temperature range: -40 °C to +80 °C

### Cable structure

- Conductors: bare copper
- Insulation: PVC

### Special properties

- Resistant to motor fluids, fuels
- Hydrolysis resistant
- Resistant to pressure at high temperatures
- High abrasion resistance
- Excellent electrical characteristics

### Standard

- JASO D 611-94

### Application

CAVS single core wire is used for the wiring of the automotive application.

NO. Cores x Cross-sec. mm <sup>2</sup>	Conductor Diameter Max. mm	Resistance at 20°C Ω/km	Outer Diameter Min. mm	Outer Diameter Max. mm	Cable Weight kg/km
1 x 0.30	0.70	50.20	1.40	1.50	3
1 x 0.50	0.90	32.70	1.60	1.70	5
1 x 0.85	1.10	20.80	1.80	1.90	7
1 x 1.25	1.40	14.30	2.10	2.20	10