

## AVS

A: Low-voltage cables for automobiles V: Polyvinyl Chloride S: Thin insulation wall

### Application

Thin wall low-voltage cables for automobiles, type 1.  
Cable used in low voltage circuits in automobiles (vehicles and motorcycles).  
Thinner insulation than AV type while ensuring equivalent performance.

### Standards/Specification

JASO D611



### Construction

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

### Product Features

Temperature range: -40°C to +80°C  
Rated voltage: 25 VAC and 60 DVC

### Technical Data

| Nominal Size (mm <sup>2</sup> ) | Conductors            |                                    |                     | Conductors Resistance (Ω/km) | Insulation Thickness |           | Finished Outside Diameter |           |
|---------------------------------|-----------------------|------------------------------------|---------------------|------------------------------|----------------------|-----------|---------------------------|-----------|
|                                 | Construction (No./mm) | calculated area (mm <sup>2</sup> ) | Outer Diameter (mm) |                              | Standard (mm)        | Min. (mm) | Standard (mm)             | Max. (mm) |
| 0.3                             | 7/0.26                | 0.3716                             | 0.8                 | 50.2                         | 0.50                 | 0.32      | 1.8                       | 1.9       |
| 0.3f                            | 15/0.18               | 0.3817                             | 0.8                 | 48.9                         | 0.50                 | 0.32      | 1.8                       | 1.9       |
| 0.5f                            | 20/0.18               | 0.5087                             | 1.0                 | 36.7                         | 0.50                 | 0.32      | 2.0                       | 2.1       |
| 0.5                             | 7/0.32                | 0.5629                             | 1.0                 | 32.7                         | 0.50                 | 0.32      | 2.0                       | 2.1       |
| 0.75f                           | 30/0.18               | 0.7630                             | 1.2                 | 24.4                         | 0.50                 | 0.32      | 2.2                       | 2.3       |
| 0.85                            | 16/0.26               | 0.8494                             | 1.2                 | 22.0                         | 0.50                 | 0.32      | 2.2                       | 2.3       |
| 0.85                            | 11/0.32               | 0.8846                             | 1.2                 | 20.8                         | 0.50                 | 0.32      | 2.2                       | 2.3       |
| 1.25f                           | 50/0.18               | 1.273                              | 1.5                 | 14.7                         | 0.50                 | 0.32      | 2.5                       | 2.6       |
| 1.25                            | 16/0.32               | 1.287                              | 1.5                 | 14.3                         | 0.50                 | 0.32      | 2.5                       | 2.6       |
| 2f                              | 37/0.26               | 1.964                              | 1.9                 | 9.50                         | 0.50                 | 0.32      | 2.9                       | 3.1       |
| 2                               | 26/0.32               | 2.091                              | 1.9                 | 8.81                         | 0.50                 | 0.32      | 2.9                       | 3.1       |
| 3f                              | 58/0.26               | 3.079                              | 2.3                 | 6.06                         | 0.60                 | 0.40      | 3.5                       | 3.7       |
| 3f                              | 61/0.26               | 3.239                              | 2.3                 | 5.76                         | 0.60                 | 0.40      | 3.5                       | 3.8       |
| 3                               | 41/0.32               | 3.297                              | 2.4                 | 5.59                         | 0.60                 | 0.40      | 3.6                       | 3.8       |
| 5                               | 65/0.32               | 5.228                              | 3.0                 | 3.52                         | 0.70                 | 0.48      | 4.4                       | 4.6       |
| 5f                              | 7/30/0.18             | 5.344                              | 3.4                 | 3.56                         | 0.70                 | 0.48      | 4.8                       | 5.1       |
| 8                               | 50/0.45               | 7.952                              | 3.7                 | 2.32                         | 0.80                 | 0.64      | 5.3                       | 5.6       |
| 8f                              | 7/22/0.26             | 7.952                              | 3.7                 | 2.32                         | 0.80                 | 0.64      | 5.3                       | 5.6       |